

DO-CTx-x-x-KNX

Gamma di termostati con controllo HVAC e completi di 3 pulsanti ausiliari liberamente programmabili. Pulsanti a sfioro in vetro con colori personalizzabili



Descrizione :

Pulsanti a sfioro capacitivi configurabili:

Ogni pulsante a sfioro è configurabile per inviare comandi indipendenti in condizione di:

- Pressione corta – pressione prolungata - rilascio
- Pressione corta e prolungata con il palmo della mano (tocchi multipli simultanei)

Tipo di azioni associabili alla pressione prolungata, rapida e al rilascio:

- Commutazione
- Dimmer relative e assoluto
- Controllo motori, frangiole e tapparelle
- Attivazione e salvataggio scenari
- Funzione personalizzate a: 1 bit, 1 e 2 byte (con e senza segno)

Per altri dettagli vedere elenco funzioni, parametri e oggetti di gruppo..

Led di retroilluminazione pulsanti ed icone, feedback led dei pulsanti

Ogni pulsante può essere retroilluminato indipendentemente e controllabile via oggetti di gruppo per:

- Fornire un feedback luminoso, “finger follow”, al tocco
- Fornire un feedback di stato del comando
- Funzione di lampeggio (blinking) del tasto
- Il pannello dispone di una retroilluminazione (luce di cornice) che può essere configurata come “automatica” (accensione durante l’interazione utente) e/o controllabile via oggetti di gruppi.
- Intensità luminosa variabile.

Altre funzioni generiche:

Oltre a poter controllare singolarmente ogni singolo pulsante, la tastiera ha anche altre funzioni automatiche o controllabili via oggetti di gruppo, tra cui:

- Cicalino di feedback alla pressione
- Feedback luminoso alla pressione
- Suono di allarme (beep intermittente)
- Sensore di prossimità per l’accensione automatica della luce di cornice
- Modalità notturna e risparmio di energia
- Risveglio da modalità notturna al rilevamento di prossimità o al tocco
- Modalità di calibrazione della sensibilità capacitiva
- Blocco tastiera (modalità bambino o per pulizia)

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Controlli HVAC e ingressi e uscite analogiche a

Il dispositivo dispone di 2 blocchi funzionali indipendenti di controllo HVAC e umidità.

Ogni blocco è associabile alla sonda integrata e/o ad una sonda remota collegabile all'ingresso analogico (sia sonda di temperatura che umidità) a seconda del modello.

Grazie alle funzioni HVAC è possibile controllare gli impianti di riscaldamento, ventilazione e aria condizionata.

Tra le funzioni più significative:

- Controllo PI (PWM, fancoil, 0-10V e valvole 6 vie 0-10V)
- Controllo on/off con algoritmo intelligente di risparmio energetico basato sulla velocità della curva per anticipare il comando con curva in banda neutra impostabile con il differenziale termico
- Controllo impianti 2 tubi e 4 tubi anche misti.
- HVAC mode e modalità "intelligente" (utile al comando diretto del set point attuale senza necessità di utilizzare i set point delle modalità dell'HVAC mode)
- Cambiamento caldo/freddo automatico configurabile
- Controllo contatto finestra con reazione automatica configurabile
- Allarme punto di rugiada con possibilità di collegamento (ingresso analogico 1) sonda esterna massetto o sonda su mandata
- Off-set e differenziali termici personalizzabili, valori di set point predefiniti o limitabili (min / max).
- Per altri dettagli vedere elenco funzioni, parametri e oggetti di gruppo.

Tra i tipi di azioni associabili:

- 1 bit per controllo valvole
- 4 gruppi a 1 bit e 1 gruppo a 1 byte per controllo valvola e velocità selettive
- 1 byte per controllo dinamico % (ad esempio per controllo 0-10V di ventilatori o valvole proporzionali)

NOTA:

Il dispositivo prevede a bordo la possibilità di collegare sonde ausiliare esterne resistive (ad esempio sonde di temperatura D-RDT-CT-M) e attive 0-10V. Il secondo I/O può essere configurato come uscita analogica 0-10V per pilotare direttamente eventuali attuatori 0-10V. L'ingresso 1 può essere configurato come contatto pulito per il collegamento con pulsanti o interruttori esterni o utilizzato come contatto finestra.

Per maggiori dettagli vedi lo schema di collegamento.



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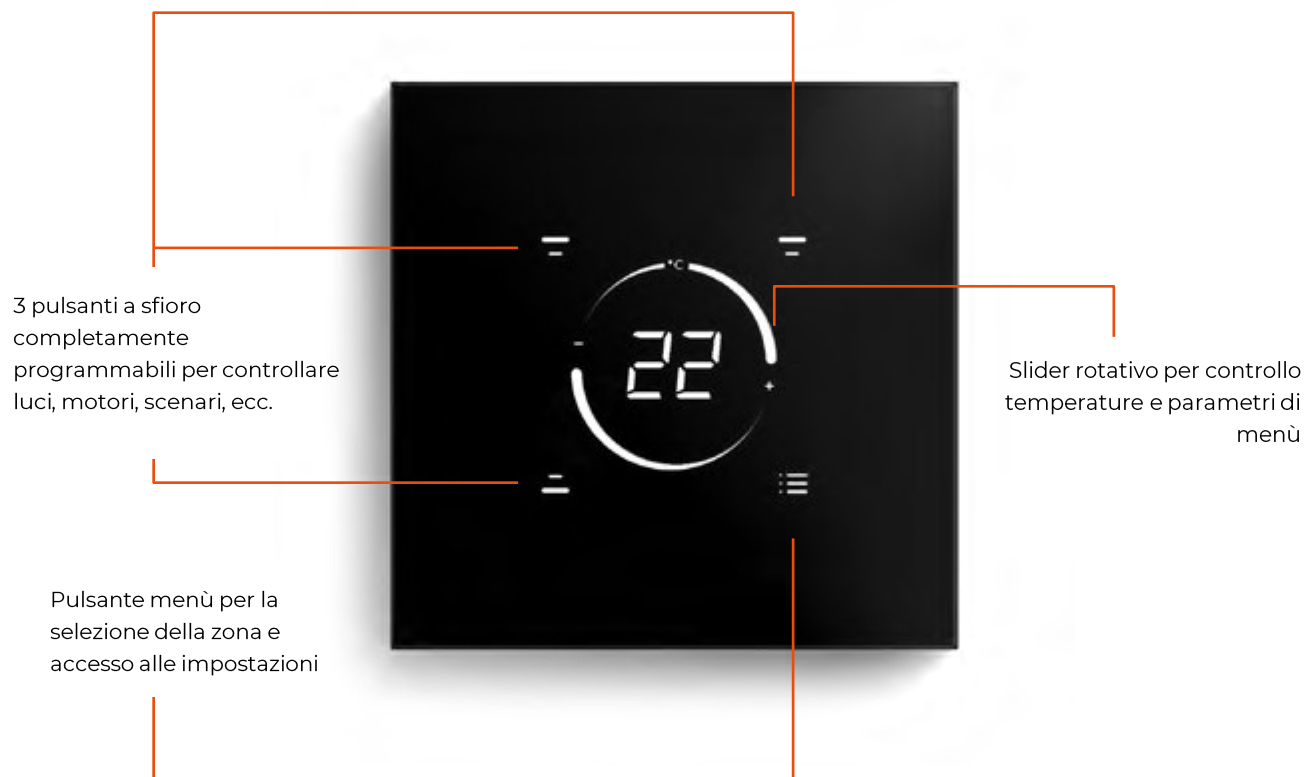
Safety- L.V. – SAFETY REQUIREMENTS: Directive 2014/35/EU

EMC - emission specification: EN 55032:2012/AC:2013
Information technology equipment. Radio disturbing Characteristics. Limit and methods of measurement

L.V. - safety specification: EN 62368-1:2014/AC:2015
Information technology equipment. Safety. General requirement

Controllo zone termostato/umidostato e navigazione menù:

- Display integrato per mostrare la temperature/umidità Misurata attuale o il setpoint desiderato
- 1 pulsante menu per
 - Selezionare la zona HVAC da controllare e mostrare
 - Accedere alla impostazione di on/off del controller
 - Accedere all'impostazione della stagione (raffrescamento/riscaldamento, disabilitabile)
- Slider/rotella a sfioro per:
 - Incrementare/decrementare il setpoint corrente (o cambiare la modalità HVAC, in base alla configurazione)
 - Modifica del valore dell'impostazione selezionata (on/off controller e stagione)
- Due pulsanti laterali per modificare il setpoint/valore corrente come funzione di default oppure con comportamento personalizzabili per un totale di 3 pulsanti a sfioro completamente programmabili



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DO-CTx-x-x-KNX

Codici d'ordine disponibili:

D-CT-85-x-KNX (85x85) :

Termostato in vetro quadrato con 3 pulsanti aggiuntivi liberamente programmabili, dispone di un display e di una sonda di temperature integrate. Opzionale una seconda sonda di temperature e una sonda di umidità esterna.

D-CTH-85-x-KNX (85x85) :

Termostato in vetro quadrato con 3 pulsanti aggiuntivi liberamente programmabili, dispone di un display, di una sonda di temperature e una di umidità integrate. Opzionale una seconda sonda di temperature.

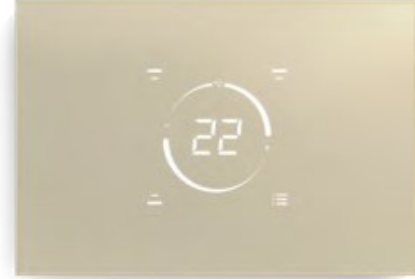
D-CT-125-x-KNX (125x85) :

Termostato in vetro rettangolare con 3 pulsanti aggiuntivi liberamente programmabili, dispone di un display e di una sonda di temperature integrate. Opzionale una seconda sonda di temperature e una sonda di umidità esterna.

D-CTH-125-x-KNX (125x85) :

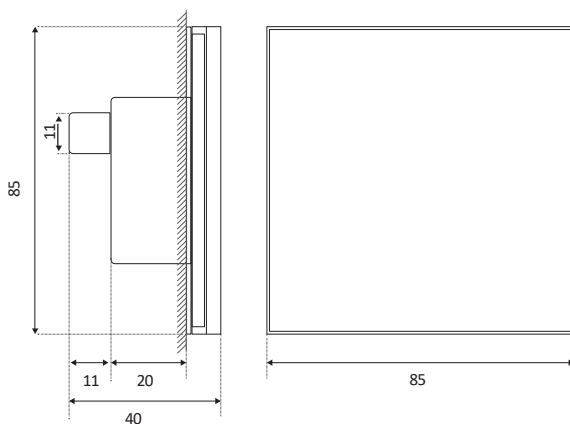
Termostato in vetro rettangolare con 3 pulsanti aggiuntivi liberamente programmabili, dispone di un display, di una sonda di temperature e una di umidità integrate. Opzionale una seconda sonda di temperature.

(colori "x"= **B/W/S**; Nero (**B**lack), Bianco (**W**hite), Sabbia (**S**and))

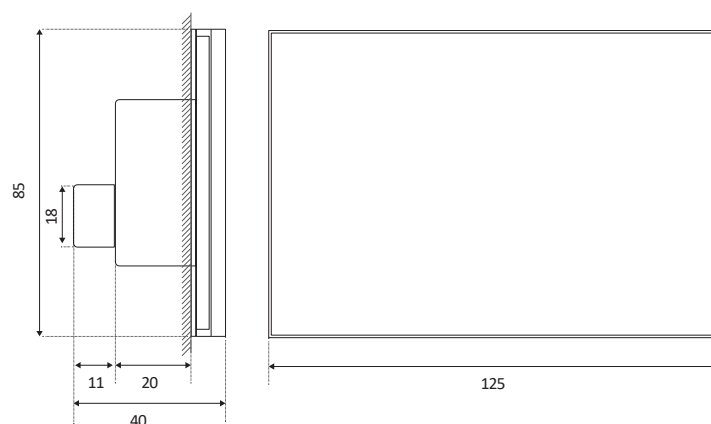


Dimensioni (mm) :

D-CTx-85-x-KNX



D-CTx-125-x-KNX



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DO-CTx-x-x-KNX



Specifiche tecniche

Caratteristiche elettriche

Tensione alimentazione (Bus)	KNX Bus
Assorbimento max	0,55 W
Assorbimento min	0,25 W
Bus	KNX TP

1 ingresso analogico + 1 ingresso/uscita analogico 0-10V

Esempi di utilizzo degli I/O ausiliari esterni:

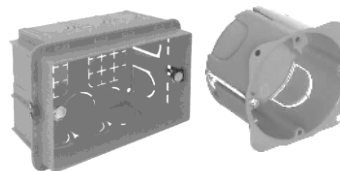
- Contatto pulito (contatto finestra, pulsante meccanico aggiuntivo, ecc.)
- Sonda di temperatura (sonda remota, T° media, seconda zona indipendente)
- Altro sensore analogico (sonda umidità, sonda di luminosità, ecc.)
- Gestione del punto di rugiada (sonda massetto, sonda d'aria)
- uscita 0-10 max 2,5mA per controllo diretto

Condizioni operative

Temperatura ambiente di funzionamento	0°C ~ 40°C
Grado di inquinamento	2
Grado di protezione	(IP20)
Umidità ambiente di funzionamento (non condensante)	10% ~ 95%



Tutti i modelli sono compatibili con scatole rotonde D60.



I modelli CTx-125 (dim. 125x85mm) sono anche compatibili con la scatola 503.



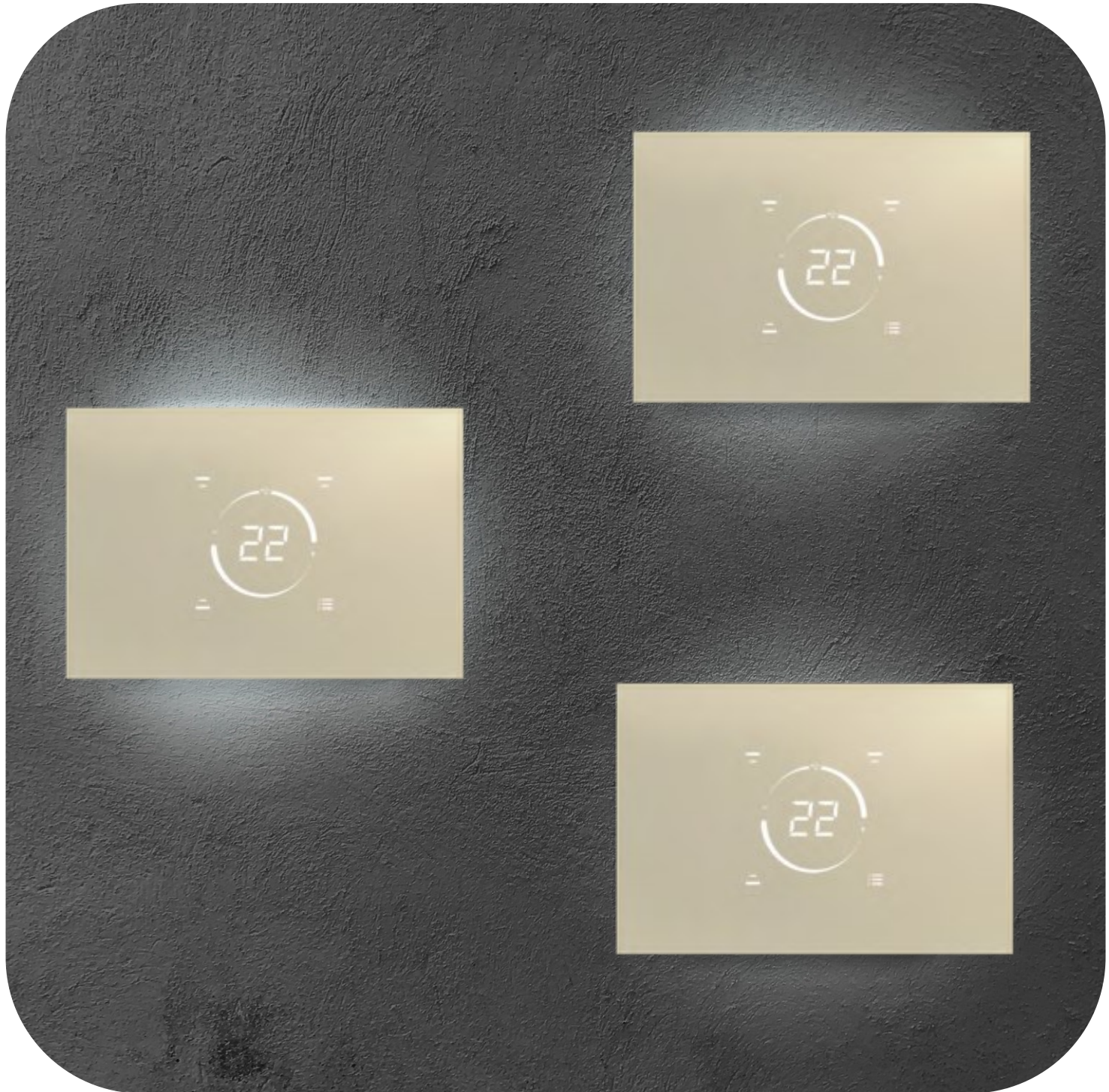
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Luminosità regolabile



Puoi regolare l'intensità luminosa direttamente da oggetti di gruppo e quindi associarli a scenari o programmi orari eventualmente disponibili nel sistema



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Parameters

General > Device overview

Parameter	Values	Description
Device model	<ul style="list-style-type: none">D-CT-85-KNXD-CTH-85-KNX (<i>default</i>)D-CT-125-KNXD-CTH-125-KNX	<p>Specific device sub-model to configure</p> <ul style="list-style-type: none">D-CT-x-KNX: this model has a temperature sensor on board, which enables the configuration of a main zone for the thermostat controllerD-CTH-x-KNX: this model has a temperature and humidity sensor on board, which enables the configuration of a main zone for both the thermostat and the humidistat controllers

General > General settings

Parameter	Values	Description
Wall backlight	<ul style="list-style-type: none">OffOnEnable objectAuto (<i>default</i>)	<p>Behaviour of the device wall/frame backlight</p> <ul style="list-style-type: none">On or Off: the wall backlight will always be fixed and non controllableEnable object: enables two group objects to send the commands and read the state of the wall backlightAuto: the wall backlight will automatically turn on when the user interacts with the device, and then turn off after the specified delay
Wall backlight turn off delay	<ul style="list-style-type: none"><i>Minimum:</i> 1<i>Maximum:</i> 60<i>Step:</i> 1<i>Default:</i> 10	<p>Automatic wall backlight turn off delay after last interaction with the device (in seconds)</p>
Buzzer	<ul style="list-style-type: none">Off (<i>default</i>)OnEnable object	<p>Buzzer sound when interacting with the device</p> <ul style="list-style-type: none">On or Off: the buzzer will always be fixed and non controllableEnable object: enables two group objects to send the commands and read the state of the buzzer
Night mode	<ul style="list-style-type: none">OffOnEnable object (<i>default</i>)	<p>Wall and plate backlights are turned off in night mode</p> <ul style="list-style-type: none">On or Off: the night mode will always be fixed and non controllableEnable object: enables two group objects to send the commands and read the state of the night mode
Touch & go	<ul style="list-style-type: none">No delay100ms200ms300ms (<i>default</i>)	<p>Delay before allowing interactions with the device after waking up during night mode (in milliseconds)</p>

Parameter	Values	Description
	<ul style="list-style-type: none"> • 400ms • 500ms 	This delay is useful for letting the user turn on the panel during night mode before triggering any command
Proximity	<ul style="list-style-type: none"> • Off • On (<i>default</i>) • Enable object 	Detect and react to hands proximity to the device <ul style="list-style-type: none"> • On or Off: the proximity detection will always be fixed and non controllable • Enable object: enables two group objects to send the commands and read the state of the proximity detection
Brightness	<ul style="list-style-type: none"> • Fixed • Enable object (<i>default</i>) 	Behaviour of the device general brightness (panel and wall backlight) <ul style="list-style-type: none"> • Fixed: the brightness will always be fixed at a specified value and non controllable • Enable object: enables two group objects to send the values and read the state of the brightness
Brightness value	<ul style="list-style-type: none"> • <i>Minimum</i>: 1 • <i>Maximum</i>: 8 • <i>Step</i>: 1 • <i>Default</i>: 5 	Device general brightness fixed value
Panel lock	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Enable object 	Behaviour of panel lock (device interaction lock) <ul style="list-style-type: none"> • Disable: the panel lock will always be disabled and non controllable • Enable object: enables two group objects to send the commands and read the state of the panel lock
Alarm	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Enable object 	Behaviour of device alarm <ul style="list-style-type: none"> • Disable: the alarm will always be disabled and non controllable • Enable object: enables two group objects to send the commands and read the state of the alarm
Finger follow	<ul style="list-style-type: none"> • Disable • Enable (<i>default</i>) 	Feedback with LEDs when keys are pressed

Keypad > General

Parameter	Values	Description
Display language	<ul style="list-style-type: none"> • English (<i>default</i>) • Italiano • Français • Deutsche 	Language of the device display (used to show the season) <ul style="list-style-type: none"> • English: <i>CO</i> for cooling, <i>HE</i> for heating • Italiano: <i>FR</i> for cooling, <i>CA</i> for heating • Français: <i>FR</i> for cooling, <i>CH</i> for heating • Deutsche: <i>KU</i> for cooling, <i>HE</i> for heating

Keypad > Key 1

Parameter	Values	Description
Function	<ul style="list-style-type: none"> Increase setpoint/value (<i>default</i>) Other 	Behaviour of the key (default or custom function)
Key LED	<ul style="list-style-type: none"> Disable (<i>default</i>) Enable object 	Behaviour of the key LED <ul style="list-style-type: none"> Disable: the LED will always be off and non controllable Enable object: enables two group objects to send the commands and read the state of the LED
Key blinking LED	<ul style="list-style-type: none"> Disable (<i>default</i>) Enable object 	Behaviour of the key blinking LED <ul style="list-style-type: none"> Disable: the blinking LED will always be off and non controllable Enable object: enables two group objects to send the commands and read the state of the blinking LED
Long press delay	<ul style="list-style-type: none"> 0.5s (<i>default</i>) 1s 2s 3s 4s 	Delay during pressure before triggering the long press actions (in seconds)
Long press repetitions (0 = no repetitions)	<ul style="list-style-type: none"> <i>Minimum:</i> 0 <i>Maximum:</i> 5 <i>Step:</i> 1 <i>Default:</i> 2 	Number of long press action telegrams sent every second (useful for relative dimming commands)
Number of functions	<ul style="list-style-type: none"> <i>Minimum:</i> 1 <i>Maximum:</i> 3 <i>Step:</i> 1 <i>Default:</i> 1 	Number of independent functions activated by the key
Function type	<ul style="list-style-type: none"> Disable (<i>default</i>) Switch Dimming Blind/shutter Scene control Custom 	Type of actions activated by the key for this function (configurable for each key pressure type) <ul style="list-style-type: none"> Disable: function not configured Switch: the key can activate <i>On</i>, <i>Off</i> and toggle actions for this function Dimming: the key can activate absolute and relative dimming actions for this function Blind/shutter: the key can activate <i>Up</i>, <i>Down</i>, <i>Stop</i> and absolute position actions for this function Scene control: the key can send <i>Activate</i> and <i>Store</i> scene commands for this function Custom: the key can send custom commands for this function (1 bit, Custom signal, can be signed or unsigned) Action activated by the key short press for this function
Short press action	<ul style="list-style-type: none"> Disable (<i>default</i>) On Off Toggle (<i>default</i>) 	<ul style="list-style-type: none"> Disable: No action On or Off: enables a group object to send the switch command

Parameter	Values	Description
		<ul style="list-style-type: none"> • Toggle: enables a group object to send the switch command and another (called <i>notify</i>) for the detection of the changing state of the device to toggle
Long press action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • On • Off • Toggle 	<p>Action activated by the key long press for this function</p> <ul style="list-style-type: none"> • Disable: No action • On or Off: enables a group object to send the switch command • Toggle: enables a group object to send the switch command and another (called <i>notify</i>) for the detection of the changing state of the device to toggle
Release action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • On • Off • Toggle 	<p>Action activated by the key release for this function</p> <ul style="list-style-type: none"> • Disable: No action • On or Off: enables a group object to send the switch command • Toggle: enables a group object to send the switch command and another (called <i>notify</i>) for the detection of the changing state of the device to toggle
Short press action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • On • Off • Toggle (<i>default</i>) • Absolute dimming • Relative dimming 	<p>Action activated by the key short press for this function</p> <ul style="list-style-type: none"> • Disable: No action • On or Off: enables a group object to send the switch command • Toggle: enables a group object to send the switch command and another (called <i>notify</i>) for the detection of the changing state of the device to toggle • Absolute dimming: enables a group object to send the specified absolute dimming value • Relative dimming: enables a group object to send the specified relative dimming value • Increase/decrease dimming: enables a group object to send the specified relative increase/decrease dimming value
Dim to	<ul style="list-style-type: none"> • <i>Minimum:</i> 0 • <i>Maximum:</i> 100 • <i>Step:</i> 1 • <i>Default:</i> 50 	<p>Absolute dimming value to send (percentage)</p>
Dimming step	<ul style="list-style-type: none"> • -100% • -50% • -25% • -12% • -6% • -3% • -1% • +1% • +3% • +6% • +12% • +25% (<i>default</i>) • +50% • +100% 	<p>Relative dimming value to send (percentage step)</p>

Parameter	Values	Description
Long press action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • On • Off • Toggle • Absolute dimming • Relative dimming • Increase/decrease dimming (<i>default</i>) 	<p>Action activated by the key long press for this function</p> <ul style="list-style-type: none"> • Disable: No action • On or Off: enables a group object to send the switch command • Toggle: enables a group object to send the switch command and another (called <i>notify</i>) for the detection of the changing state of the device to toggle • Absolute dimming: enables a group object to send the specified absolute dimming value • Relative dimming: enables a group object to send the specified relative dimming value • Increase/decrease dimming: enables a group object to send the specified relative increase/decrease dimming value
Dimming step	<ul style="list-style-type: none"> • +/-1% • +/-3% • +/-6% • +/-12% • +/-25% (<i>default</i>) • +/-50% • +/-100% 	<p>Relative increase/decrease dimming value to send (percentage step)</p>
Release action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • On • Off • Toggle • Absolute dimming • Relative dimming 	<p>Action activated by the key release for this function</p> <ul style="list-style-type: none"> • Disable: No action • On or Off: enables a group object to send the switch command • Toggle: enables a group object to send the switch command and another (called <i>notify</i>) for the detection of the changing state of the device to toggle • Absolute dimming: enables a group object to send the specified absolute dimming value • Relative dimming: enables a group object to send the specified relative dimming value • Increase/decrease dimming: enables a group object to send the specified relative increase/decrease dimming value
Short press action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Up • Down • Stop (<i>default</i>) • Position • Slats up • Slats down 	<p>Action activated by the key short press for this function</p> <ul style="list-style-type: none"> • Disable: No action • Up or Down: enables a group object to send the movement command • Stop: enables a group object to send the <i>Stop</i> command • Position: enables a group object to send the specified absolute position value • Slats up or Slats down: enables a group object to send the slats movement command
Position	<ul style="list-style-type: none"> • <i>Minimum:</i> 0 • <i>Maximum:</i> 100 • <i>Step:</i> 1 • <i>Default:</i> 50 	<p>Absolute position value to send (percentage)</p>

Parameter	Values	Description
Long press action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Up (<i>default</i>) • Down • Stop • Position • Slats up • Slats down 	<p>Action activated by the key long press for this function</p> <ul style="list-style-type: none"> • Disable: No action • Up or Down: enables a group object to send the movement command • Stop: enables a group object to send the <i>Stop</i> command • Position: enables a group object to send the specified absolute position value • Slats up or Slats down: enables a group object to send the slats movement command
Release action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Up • Down • Stop • Position • Slats up • Slats down 	<p>Action activated by the key release for this function</p> <ul style="list-style-type: none"> • Disable: No action • Up or Down: enables a group object to send the movement command • Stop: enables a group object to send the <i>Stop</i> command • Position: enables a group object to send the specified absolute position value • Slats up or Slats down: enables a group object to send the slats movement command
Short press action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Activate scene (<i>default</i>) • Store scene 	<p>Action activated by the key short press for this function</p> <ul style="list-style-type: none"> • Disable: No action • Activate scene or Store scene: enables a group object to activate or store the specified scene number
Scene number	<ul style="list-style-type: none"> • <i>Minimum:</i> 1 • <i>Maximum:</i> 64 • <i>Step:</i> 1 • <i>Default:</i> 1 	Scene number to activate
Scene number	<ul style="list-style-type: none"> • <i>Minimum:</i> 1 • <i>Maximum:</i> 64 • <i>Step:</i> 1 • <i>Default:</i> 1 	Scene number to store
Long press action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Activate scene • Store scene (<i>default</i>) 	<p>Action activated by the key long press for this function</p> <ul style="list-style-type: none"> • Disable: No action • Activate scene or Store scene: enables a group object to activate or store the specified scene number
Release action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Activate scene • Store scene 	<p>Action activated by the key release for this function</p> <ul style="list-style-type: none"> • Disable: No action • Activate scene or Store scene: enables a group object to activate or store the specified scene number

Parameter	Values	Description
Short press action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • 1 bit • 1 byte unsigned • 1 byte signed • 2 bytes unsigned • 2 bytes signed 	Action activated by the key short press for this function <ul style="list-style-type: none"> • Disable: No action • 1 bit: enables a group object to send the specified <i>bit</i> value • 1 byte unsigned: enables a group object to send the specified <i>uint8</i> value • 1 byte signed: enables a group object to send the specified <i>sint8</i> value • 2 bytes unsigned: enables a group object to send the specified <i>uint16</i> value • 2 bytes signed: enables a group object to send the specified <i>sint16</i> value
Value	<ul style="list-style-type: none"> • <i>Minimum:</i> 0 • <i>Maximum:</i> 1 • <i>Step:</i> 1 • <i>Default:</i> 0 	<i>bit</i> value to send
Value	<ul style="list-style-type: none"> • <i>Minimum:</i> 0 • <i>Maximum:</i> 255 • <i>Step:</i> 1 • <i>Default:</i> 0 	<i>uint8</i> value to send
Value	<ul style="list-style-type: none"> • <i>Minimum:</i> -128 • <i>Maximum:</i> 127 • <i>Step:</i> 1 • <i>Default:</i> 0 	<i>sint8</i> value to send
Value	<ul style="list-style-type: none"> • <i>Minimum:</i> 0 • <i>Maximum:</i> 65535 • <i>Step:</i> 1 • <i>Default:</i> 0 	<i>uint16</i> value to send
Value	<ul style="list-style-type: none"> • <i>Minimum:</i> -32768 • <i>Maximum:</i> 32767 • <i>Step:</i> 1 • <i>Default:</i> 0 	<i>sint16</i> value to send
Long press action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • 1 bit • 1 byte unsigned • 1 byte signed • 2 bytes unsigned • 2 bytes signed 	Action activated by the key long press for this function <ul style="list-style-type: none"> • Disable: No action • 1 bit: enables a group object to send the specified <i>bit</i> value • 1 byte unsigned: enables a group object to send the specified <i>uint8</i> value • 1 byte signed: enables a group object to send the specified <i>sint8</i> value • 2 bytes unsigned: enables a group object to send the specified <i>uint16</i> value • 2 bytes signed: enables a group object to send the specified <i>sint16</i> value

Parameter	Values	Description
Release action	<ul style="list-style-type: none"> • Disable (<i>default</i>) • 1 bit • 1 byte unsigned • 1 byte signed • 2 bytes unsigned • 2 bytes signed 	<p>Action activated by the key release for this function</p> <ul style="list-style-type: none"> • Disable: No action • 1 bit: enables a group object to send the specified <i>bit</i> value • 1 byte unsigned: enables a group object to send the specified <i>uint8</i> value • 1 byte signed: enables a group object to send the specified <i>sint8</i> value • 2 bytes unsigned: enables a group object to send the specified <i>uint16</i> value • 2 bytes signed: enables a group object to send the specified <i>sint16</i> value

Thermostat > General

Parameter	Values	Description
Thermostat	<ul style="list-style-type: none"> • Disable • Enable (<i>default</i>) 	Enables the main zone of the thermostat controller
Setpoint mode	<ul style="list-style-type: none"> • Smart mode (<i>default</i>) • HVAC mode 	<p>The setpoint mode used to control the thermostat</p> <ul style="list-style-type: none"> • Smart mode: enables two group objects to send the values and read the state of the actual setpoint • HVAC mode: enables two group objects to send the values and read the state of the actual setpoint and each HVAC mode setpoint per season
Send commands cyclically (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum:</i> 0 • <i>Maximum:</i> 60 • <i>Step:</i> 1 • <i>Default:</i> 20 	<p>Time delay before cyclically sending the commands to the valves (in minutes)</p> <p>When set to 0, the group object won't send any command to the valves cyclically over time, but will still send the new commands</p>
Automatic season change (change over)	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Enable 	Enables the automatic season change when the specified threshold is reached
Season change threshold	<ul style="list-style-type: none"> • <i>Minimum:</i> 2 • <i>Maximum:</i> 10 • <i>Step:</i> 1 • <i>Default:</i> 2 	Threshold used to automatically change the season (degrees Celsius)
Plant type	<ul style="list-style-type: none"> • Two pipes (<i>default</i>) • Four pipes • Four pipes with six-ways valve 	<p>Thermohydraulic system type to control</p> <ul style="list-style-type: none"> • Two pipes: the system uses a single valve and two pipes for the supply and return of both chilled and hot water • Four pipes: the system uses two different valves and four pipes for the supply and return of chilled and hot water • Four pipes with six-ways valve: the system uses a single <i>six-ways valve</i> and four pipes for the supply and return of chilled and hot water

Parameter	Values	Description
Control algorithm	<ul style="list-style-type: none"> On/Off (<i>default</i>) Proportional 	Type of algorithm used to control the valve <ul style="list-style-type: none"> On/Off: enables a group object used to send the commands to the valve depending on the specified <i>On/Off</i> algorithm Proportional: the thermostat will apply a proportional algorithm depending on the specified type of valve to control (<i>Percentage</i>, <i>PWM</i> or <i>Fancoil</i>)
On/Off algorithm	<ul style="list-style-type: none"> Classic On/Off Smart On/Off (<i>default</i>) 	Type of <i>On/Off</i> algorithm used to control the valve <ul style="list-style-type: none"> Classic On/Off: the "classic" <i>On/Off</i> algorithm with thermal differential (hysteresis) Smart On/Off: smart <i>On/Off</i> algorithm with thermal differential (hysteresis) which monitors the direction of the temperature curve and anticipates the opening and closing of the valve, avoiding undesired temperature peaks and saving energy
Active valve indicator	<ul style="list-style-type: none"> Disable (<i>default</i>) Enable 	Enables a blinking LED on the device display, indicating whether the valve is open or not
Proportional algorithm	<ul style="list-style-type: none"> Percentage (<i>default</i>) PWM Fancoil 	Type of <i>Proportional</i> algorithm used to control the valve <ul style="list-style-type: none"> Percentage: enables a group object depending on the specified driving type used to control the <i>Percentage</i> valve PWM: enables a group object to send commands to the <i>PWM</i> valve in relation to the specified period and another to read the "virtual" state of the percentage valve Fancoil: enables the group objects to send commands to the <i>Fancoil</i> valve and to control its speeds
Directly drive valve (0-10V)	<ul style="list-style-type: none"> Disable (<i>default</i>) Enable 	Directly drive the percentage valve using the device 0-10V output <ul style="list-style-type: none"> Disable: enables a group object to send the percentage values to the valve Enable: enables the device 0-10V output to directly drive the valve and enables a group object to read the percentage value used to drive it
PWM period	<ul style="list-style-type: none"> <i>Minimum:</i> 5 <i>Maximum:</i> 60 <i>Step:</i> 1 <i>Default:</i> 10 	Period of time used to proportionally control the PWM valve (in minutes)
Turning on fan delay	<ul style="list-style-type: none"> <i>Minimum:</i> 0 <i>Maximum:</i> 60 <i>Step:</i> 1 <i>Default:</i> 10 	Time delay before turning on the fan after opening the fancoil valve (in seconds)
A and B ranges	<ul style="list-style-type: none"> A: cold, B: hot (<i>default</i>) A: hot, B: cold 	

Parameter	Values	Description
A max.	<ul style="list-style-type: none"> • <i>Minimum: 0</i> • <i>Maximum: 25</i> • <i>Step: 1</i> • <i>Default: 10</i> 	
A min.	<ul style="list-style-type: none"> • <i>Minimum: 25</i> • <i>Maximum: 50</i> • <i>Step: 1</i> • <i>Default: 40</i> 	
B min.	<ul style="list-style-type: none"> • <i>Minimum: 50</i> • <i>Maximum: 75</i> • <i>Step: 1</i> • <i>Default: 60</i> 	
B max.	<ul style="list-style-type: none"> • <i>Minimum: 75</i> • <i>Maximum: 100</i> • <i>Step: 1</i> • <i>Default: 90</i> 	
Directly drive valve (0-10V)	<ul style="list-style-type: none"> • <i>Disable (default)</i> • <i>Enable</i> 	<p>Directly drive the six-ways valve using the device 0-10V output</p> <ul style="list-style-type: none"> • Disable: enables a group object to send the values to the six-ways valve and another to read the "virtual" valve opening percentage • Enable: enables the device 0-10V output to directly drive the valve and enables a group object to read the "virtual" valve opening percentage

Thermostat > Temperature

Parameter	Values	Description
Temperature sensor	<ul style="list-style-type: none"> • <i>Internal (default)</i> • <i>External</i> • <i>Average</i> 	<p>Sensor used to measure the temperature</p> <ul style="list-style-type: none"> • Internal: only uses the device internal temperature sensor • External: only uses the external temperature sensor connected to the device • Average: calculates the average of both temperature sensors measured values using the specified weights
Sensors weights	<ul style="list-style-type: none"> • 90% internal, 10% external • 80% internal, 20% external • 70% internal, 30% external • 60% internal, 40% external • 50% internal, 50% external (<i>default</i>) 	<p>Weights used to calculate the average value of both temperature sensors measures (percentages)</p>

Parameter	Values	Description
	<ul style="list-style-type: none"> • 40% internal, 60% external • 30% internal, 70% external • 20% internal, 80% external • 10% internal, 90% external 	
Offset value	<ul style="list-style-type: none"> • <i>Minimum</i>: -50 • <i>Maximum</i>: 50 • <i>Step</i>: 1 • <i>Default</i>: 0 	Offset value used to adjust the final temperature measure (tenths of degree Celsius)
Send on change (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum</i>: 0 • <i>Maximum</i>: 50 • <i>Step</i>: 5 • <i>Default</i>: 5 	<p>Minimum variation value before sending the new measured temperature value (tenths of degree Celsius)</p> <p>When set to 0, the group object won't send any new temperature measure depending on its variation, but will still respond to <i>read</i> requests</p>
Send cyclically (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum</i>: 0 • <i>Maximum</i>: 60 • <i>Step</i>: 1 • <i>Default</i>: 20 	<p>Time delay before cyclically sending the last measured temperature value (in minutes)</p> <p>When set to 0, the group object won't send any temperature measure cyclically over time, but will still respond to <i>read</i> requests</p>

Thermostat > Setpoint

Parameter	Values	Description
Send cyclically (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum</i>: 0 • <i>Maximum</i>: 60 • <i>Step</i>: 1 • <i>Default</i>: 20 	<p>Time delay before cyclically sending the current actual setpoint value (in minutes)</p> <p>When set to 0, the group object won't send the setpoint value cyclically over time, but will still send it on change and respond to <i>read</i> requests</p>
Thermal differential	<ul style="list-style-type: none"> • <i>Minimum</i>: 2 • <i>Maximum</i>: 125 • <i>Step</i>: 1 • <i>Default</i>: 5 	<p>Thermal differential (hysteresis) used by the thermostat control algorithm (tenths of degree Celsius)</p> <p>This value should be set depending on the thermal inertia of the system/building</p>
Minimum setpoint	<ul style="list-style-type: none"> • <i>Minimum</i>: 0 • <i>Maximum</i>: 20 • <i>Step</i>: 1 • <i>Default</i>: 5 	Minimum settable setpoint value (degrees Celsius)
Maximum setpoint	<ul style="list-style-type: none"> • <i>Minimum</i>: 20 • <i>Maximum</i>: 40 • <i>Step</i>: 1 	Maximum settable setpoint value (degrees Celsius)

Parameter	Values	Description
	<ul style="list-style-type: none"> • <i>Default: 35</i> 	

Thermostat > User control

Parameter	Values	Description
User adjustment	<ul style="list-style-type: none"> • Locked • Setpoint (<i>default</i>) 	Setpoint adjustment allowed to the user on the panel <ul style="list-style-type: none"> • Locked: no setpoint adjustment allowed to the user • Setpoint: the user is allowed to adjust the setpoint within the specified range
User adjustment	<ul style="list-style-type: none"> • Locked • Setpoint (<i>default</i>) • HVAC mode 	Setpoint adjustment allowed to the user on the panel <ul style="list-style-type: none"> • Locked: no setpoint adjustment allowed to the user • Setpoint: the user is allowed to adjust the setpoint within the specified range • HVAC mode: the user is allowed to change the current HVAC mode
Setpoint adjustment step	<ul style="list-style-type: none"> • +/- 0.5 °C (<i>default</i>) • +/- 1 °C 	Setpoint adjustment step made by the user on the panel (degrees Celsius)
Setpoint adjustment limitation	<ul style="list-style-type: none"> • No limitation (<i>default</i>) • +/- 1 °C • +/- 2 °C • +/- 3 °C • +/- 4 °C • +/- 5 °C 	Setpoint adjustment range allowed to the user on the panel (degrees Celsius)
View measured temperature	<ul style="list-style-type: none"> • Disable • Enable (<i>default</i>) 	View measured temperature on device display or just the current actual setpoint
Change season	<ul style="list-style-type: none"> • Disable • Enable (<i>default</i>) 	Allow the user to change the current season on the device panel

Humidistat > General

Parameter	Values	Description
Humidistat	<ul style="list-style-type: none"> • Disable • Enable (<i>default</i>) 	Enables the main zone of the humidistat controller
Send commands cyclically (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum: 0</i> • <i>Maximum: 60</i> • <i>Step: 1</i> • <i>Default: 20</i> 	Time delay before cyclically sending the commands to the valves (in minutes) When set to 0, the group object won't send any command to the valves cyclically over time, but will still send the new commands
Active valve indicator	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Enable 	Enables a blinking LED on the device display, indicating whether the valve is open or not

Parameter	Values	Description
Plant type	<ul style="list-style-type: none"> Two pipes (<i>default</i>) Four pipes 	

Humidistat > Humidity

Parameter	Values	Description
Humidity sensor	<ul style="list-style-type: none"> Internal (<i>default</i>) 	<p>Sensor used to measure the humidity</p> <ul style="list-style-type: none"> Internal: only uses the device internal humidity sensor <p>The <i>External</i> and <i>Average</i> options are currently not available because the I/O 2 of the device is already used to drive a 0-10V valve</p>
Humidity sensor	<ul style="list-style-type: none"> Internal (<i>default</i>) External Average 	<p>Sensor used to measure the humidity</p> <ul style="list-style-type: none"> Internal: only uses the device internal humidity sensor External: only uses the external humidity sensor connected to the device Average: calculates the average of both humidity sensors measured values using the specified weights
Sensors weights	<ul style="list-style-type: none"> 90% internal, 10% external 80% internal, 20% external 70% internal, 30% external 60% internal, 40% external 50% internal, 50% external (<i>default</i>) 40% internal, 60% external 30% internal, 70% external 20% internal, 80% external 10% internal, 90% external 	<p>Weights used to calculate the average value of both humidity sensors measures (percentages)</p>
Offset value	<ul style="list-style-type: none"> <i>Minimum:</i> -20 <i>Maximum:</i> 20 <i>Step:</i> 1 <i>Default:</i> 0 	<p>Offset value used to adjust the final humidity measure (relative humidity percentage)</p>
Send on change (0 = inactive)	<ul style="list-style-type: none"> <i>Minimum:</i> 0 <i>Maximum:</i> 20 <i>Step:</i> 1 	<p>Minimum variation value before sending the new measured humidity value (relative humidity percentage)</p>

Parameter	Values	Description
	<ul style="list-style-type: none"> • <i>Default: 2</i> 	When set to 0, the group object won't send any new humidity measure depending on its variation, but will still respond to <i>read</i> requests
Send cyclically (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum: 0</i> • <i>Maximum: 60</i> • <i>Step: 1</i> • <i>Default: 20</i> 	<p>Time delay before cyclically sending the last measured humidity value (in minutes)</p> <p>When set to 0, the group object won't send any humidity measure cyclically over time, but will still respond to <i>read</i> requests</p>

Humidistat > Setpoint

Parameter	Values	Description
Send cyclically (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum: 0</i> • <i>Maximum: 60</i> • <i>Step: 1</i> • <i>Default: 20</i> 	<p>Time delay before cyclically sending the current setpoint value (in minutes)</p> <p>When set to 0, the group object won't send the setpoint value cyclically over time, but will still send it on change and respond to <i>read</i> requests</p>
Humidity differential	<ul style="list-style-type: none"> • <i>Minimum: 5</i> • <i>Maximum: 30</i> • <i>Step: 1</i> • <i>Default: 5</i> 	Humidity differential (hysteresis) used by the humidistat control algorithm (relative humidity percentage)
Minimum setpoint	<ul style="list-style-type: none"> • <i>Minimum: 0</i> • <i>Maximum: 100</i> • <i>Step: 1</i> • <i>Default: 0</i> 	Minimum settable setpoint value (relative humidity percentage)
Maximum setpoint	<ul style="list-style-type: none"> • <i>Minimum: 0</i> • <i>Maximum: 100</i> • <i>Step: 1</i> • <i>Default: 100</i> 	Maximum settable setpoint value (relative humidity percentage)

Humidistat > User control

Parameter	Values	Description
User adjustment	<ul style="list-style-type: none"> • Locked • Setpoint (<i>default</i>) 	<p>Setpoint adjustment allowed to the user on the panel</p> <ul style="list-style-type: none"> • Locked: no setpoint adjustment allowed to the user • Setpoint: the user is allowed to adjust the setpoint within the specified range
Setpoint adjustment limitation	<ul style="list-style-type: none"> • No limitation (<i>default</i>) • +/- 5% • +/- 10% • +/- 15% 	Setpoint adjustment range allowed to the user on the panel (relative humidity percentage)

Parameter	Values	Description
	<ul style="list-style-type: none"> • +/- 20% • +/- 25% 	
View measured humidity	<ul style="list-style-type: none"> • Disable • Enable (<i>default</i>) 	View measured humidity on device display or just the current setpoint
Change season	<ul style="list-style-type: none"> • Disable • Enable (<i>default</i>) 	Allow the user to change the current season on the device panel

External I/O > Input 1

Parameter	Values	Description
Input type	<ul style="list-style-type: none"> • Temperature sensor (<i>default</i>) 	<p>Type of device connected to the <i>Input 1</i></p> <p>The other input options are currently not available because this input is already used as a temperature sensor probe for the thermostat controller main zone</p>
Input type	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Dry contact key sensor • Door/window sensor • Temperature sensor • Screed sensor 	<p>Type of device connected to the <i>Input 1</i></p> <ul style="list-style-type: none"> • Disable: no device connected • Dry contact key sensor: enables an extra <i>key</i> tab to configure the behaviour of the external switch connected to the device • Door/window sensor: a contact sensor is connected to the device and can be also used to automatically standby the thermostat controller main zone¹ • Temperature sensor: a temperature sensor probe is connected to the device and can also be used to enable the thermostat controller auxiliar zone • Screed sensor: a screed/floor temperature sensor probe is connected to the device and can also be used to calculate the dew point temperature of the system² <p>¹ Only available for <i>T</i> and <i>TH</i> models</p> <p>² Only available for <i>TH</i> models</p>
Contact type	<ul style="list-style-type: none"> • Normally open (<i>default</i>) • Normally closed 	The contact type of the external switch on a normal state
Contact type	<ul style="list-style-type: none"> • Normally open • Normally closed (<i>default</i>) 	The contact type of the door/window sensor on a normal state
Send cyclically (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum:</i> 0 • <i>Maximum:</i> 60 • <i>Step:</i> 1 • <i>Default:</i> 20 	<p>Time delay before cyclically sending the last door/window state (in minutes)</p> <p>When set to 0, the group object won't send any door/window state cyclically over time, but will still respond to <i>read</i> requests</p>
Auto standby thermostat	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Enable 	Automatically standby the thermostat controller main zone when the door/window is open for the specified amount time

Parameter	Values	Description
Standby delay	<ul style="list-style-type: none"> • <i>Minimum:</i> 0 • <i>Maximum:</i> 10 • <i>Step:</i> 1 • <i>Default:</i> 3 	Delay before automatically standby the thermostat controller main zone when the door/window is open (in minutes)
Enable aux thermostat	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Enable 	Enables the auxiliar zone of the thermostat controller
Offset value	<ul style="list-style-type: none"> • <i>Minimum:</i> -50 • <i>Maximum:</i> 50 • <i>Step:</i> 1 • <i>Default:</i> 0 	Offset value used to adjust the final temperature measure (tenths of degree Celsius)
Send on change (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum:</i> 0 • <i>Maximum:</i> 50 • <i>Step:</i> 5 • <i>Default:</i> 5 	<p>Minimum variation value before sending the new measured temperature value (tenths of degree Celsius)</p> <p>When set to 0, the group object won't send any new temperature measure depending on its variation, but will still respond to <i>read</i> requests</p>
Send cyclically (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum:</i> 0 • <i>Maximum:</i> 60 • <i>Step:</i> 1 • <i>Default:</i> 20 	<p>Time delay before cyclically sending the last measured temperature value (in minutes)</p> <p>When set to 0, the group object won't send any temperature measure cyclically over time, but will still respond to <i>read</i> requests</p>
Offset value	<ul style="list-style-type: none"> • <i>Minimum:</i> -50 • <i>Maximum:</i> 50 • <i>Step:</i> 1 • <i>Default:</i> 0 	Offset value used to adjust the final temperature measure (tenths of degree Celsius)
Send on change (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum:</i> 0 • <i>Maximum:</i> 50 • <i>Step:</i> 5 • <i>Default:</i> 5 	<p>Minimum variation value before sending the new measured temperature value (tenths of degree Celsius)</p> <p>When set to 0, the group object won't send any new temperature measure depending on its variation, but will still respond to <i>read</i> requests</p>
Send cyclically (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum:</i> 0 • <i>Maximum:</i> 60 • <i>Step:</i> 1 • <i>Default:</i> 20 	<p>Time delay before cyclically sending the last measured temperature value (in minutes)</p> <p>When set to 0, the group object won't send any temperature measure cyclically over time, but will still respond to <i>read</i> requests</p>
Dew point	<ul style="list-style-type: none"> • Disable (<i>default</i>) • Enable 	Enables the calculation of the dew point temperature of the system, which can also be used to automatically standby the thermostat controller main zone cooling and/or to force the humidistat controller main zone dehumidification
Thermal differential	<ul style="list-style-type: none"> • <i>Minimum:</i> 2 • <i>Maximum:</i> 125 • <i>Step:</i> 1 • <i>Default:</i> 5 	Thermal differential (hysteresis) used by the dew point calculation algorithm (tenths of degree Celsius)

Parameter	Values	Description
Auto standby cooling	<ul style="list-style-type: none"> Disable (<i>default</i>) Enable 	Automatically standby the thermostat controller main zone cooling when the dew point temperature is reached
Force main dehumidification	<ul style="list-style-type: none"> Disable (<i>default</i>) Enable 	Force the humidistat controller main zone dehumidification when the dew point temperature is reached

External I/O > I/O 2

Parameter	Values	Description
Output type	<ul style="list-style-type: none"> Drive valve (<i>default</i>) 	<p>Type of device connected to the I/O 2</p> <p>The other input options are currently not available because this I/O is already used to drive a 0-10V valve</p>
Input type	<ul style="list-style-type: none"> Humidity sensor (<i>default</i>) 	<p>Type of device connected to the I/O 2</p> <p>The other input options are currently not available because this I/O is already used as a humidity sensor probe for the humidistat controller main zone</p>
I/O type	<ul style="list-style-type: none"> Disable (<i>default</i>) Dry contact key sensor Humidity sensor Brightness sensor Generic sensor 	<p>Type of device connected to the I/O 2</p> <ul style="list-style-type: none"> Disable: no device connected Dry contact key sensor: enables an extra <i>key</i> tab to configure the behaviour of the external switch connected to the device Humidity sensor: a humidity sensor probe is connected to the device and can also be used to enable the humidistat controller auxiliar zone Brightness sensor: a brightness sensor is connected to the device and can also be used to enable the brightness follow controller Generic sensor: a generic sensor is connected to the device (can be either active or passive and be compatible with the 0-5V or 0-10V standards)
Contact type	<ul style="list-style-type: none"> Normally open (<i>default</i>) Normally closed 	The contact type of the external switch on a normal state
Enable aux humidistat	<ul style="list-style-type: none"> Disable (<i>default</i>) Enable 	Enables the auxiliar zone of the humidistat controller
Offset value	<ul style="list-style-type: none"> <i>Minimum:</i> -20 <i>Maximum:</i> 20 <i>Step:</i> 1 <i>Default:</i> 0 	Offset value used to adjust the final humidity measure (relative humidity percentage)
Send on change (0 = inactive)	<ul style="list-style-type: none"> <i>Minimum:</i> 0 <i>Maximum:</i> 20 <i>Step:</i> 1 <i>Default:</i> 2 	<p>Minimum variation value before sending the new measured humidity value (relative humidity percentage)</p> <p>When set to 0, the group object won't send any new humidity</p>

Parameter	Values	Description
		measure depending on its variation, but will still respond to <i>read</i> requests
Send cyclically (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum</i>: 0 • <i>Maximum</i>: 60 • <i>Step</i>: 1 • <i>Default</i>: 20 	<p>Time delay before cyclically sending the last measured humidity value (in minutes)</p> <p>When set to 0, the group object won't send any humidity measure cyclically over time, but will still respond to <i>read</i> requests</p>
Brightness follow	<ul style="list-style-type: none"> • Disable • Enable (<i>default</i>) 	Enables the brightness follow controller
Brightness differential	<ul style="list-style-type: none"> • <i>Minimum</i>: 2 • <i>Maximum</i>: 20 • <i>Step</i>: 1 • <i>Default</i>: 5 	Brightness differential (hysteresis) used by the brightness follow control algorithm (lux)
Maximum dimming step	<ul style="list-style-type: none"> • +/-1% • +/-3% • +/-6% (<i>default</i>) • +/-12% • +/-25% 	Maximum relative increase/decrease dimming value to send when following the desired brightness (percentage step)
Dimming period	<ul style="list-style-type: none"> • <i>Minimum</i>: 1 • <i>Maximum</i>: 60 • <i>Step</i>: 1 • <i>Default</i>: 5 	Time period for sending the relative dimming command (in seconds)
Brightness value source	<ul style="list-style-type: none"> • Sensor (<i>default</i>) • Bus 	<p>Source of the brightness measured value</p> <ul style="list-style-type: none"> • Sensor: uses the connected brightness sensor and enables a group object to read the measured brightness value • Bus: enables a group object for the external brightness sensor to send the measured brightness value
Sensor type	<ul style="list-style-type: none"> • Passive (<i>default</i>) • Active 	Type of brightness sensor connected to the device
Power source	<ul style="list-style-type: none"> • External (<i>default</i>) • Device (10V) 	<p>Power supply source for the brightness sensor</p> <ul style="list-style-type: none"> • External: the sensor uses an external power supply source • Device: the power will be supplied by the device from the <i>Vout</i> pin (10V)
Full scale value	<ul style="list-style-type: none"> • <i>Minimum</i>: 100 • <i>Maximum</i>: 60000 • <i>Step</i>: 1 • <i>Default</i>: 1000 	Maximum value measured by the brightness sensor (lux)
Offset value	<ul style="list-style-type: none"> • <i>Minimum</i>: -50 • <i>Maximum</i>: 50 • <i>Step</i>: 1 • <i>Default</i>: 0 	Offset value used to adjust the final brightness measure (lux)

Parameter	Values	Description
Send on change (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum</i>: 0 • <i>Maximum</i>: 50 • <i>Step</i>: 1 • <i>Default</i>: 10 	<p>Minimum variation value before sending the new measured brightness value (lux)</p> <p>When set to 0, the group object won't send any new brightness measure depending on its variation, but will still respond to <i>read</i> requests</p>
Send cyclically (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum</i>: 0 • <i>Maximum</i>: 60 • <i>Step</i>: 1 • <i>Default</i>: 20 	<p>Time delay before cyclically sending the last measured brightness value (in minutes)</p> <p>When set to 0, the group object won't send any brightness measure cyclically over time, but will still respond to <i>read</i> requests</p>
Sensor standard	<ul style="list-style-type: none"> • 0-5V • 0-10V (<i>default</i>) 	Standard used by the generic sensor connected to the device
Sensor type	<ul style="list-style-type: none"> • Passive (<i>default</i>) • Active 	Type of generic sensor connected to the device
Power source	<ul style="list-style-type: none"> • External (<i>default</i>) • Device (5V) 	<p>Power supply source for the generic sensor</p> <ul style="list-style-type: none"> • External: the sensor uses an external power supply source • Device: the power will be supplied by the device from the <i>Vout</i> pin (5V)
Power source	<ul style="list-style-type: none"> • External (<i>default</i>) • Device (10V) 	<p>Power supply source for the generic sensor</p> <ul style="list-style-type: none"> • External: the sensor uses an external power supply source • Device: the power will be supplied by the device from the <i>Vout</i> pin (10V)
Offset value	<ul style="list-style-type: none"> • <i>Minimum</i>: -10 • <i>Maximum</i>: 10 • <i>Step</i>: 1 • <i>Default</i>: 0 	Offset value used to adjust the final measure (percentage)
Send on change (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum</i>: 0 • <i>Maximum</i>: 20 • <i>Step</i>: 1 • <i>Default</i>: 5 	<p>Minimum variation value before sending the new measured value (percentage)</p> <p>When set to 0, the group object won't send any new measure depending on its variation, but will still respond to <i>read</i> requests</p>
Send cyclically (0 = inactive)	<ul style="list-style-type: none"> • <i>Minimum</i>: 0 • <i>Maximum</i>: 60 • <i>Step</i>: 1 • <i>Default</i>: 20 	<p>Time delay before cyclically sending the last measured value (in minutes)</p> <p>When set to 0, the group object won't send any measure cyclically over time, but will still respond to <i>read</i> requests</p>

Group objects

General

Number	Name	Function	R	W	T	U	I	DPT	Length
1	Wall backlight	On/Off	-	W	-	-	-	1.001 (Switch)	1 bit
2	Wall backlight state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
3	Buzzer	On/Off	-	W	-	-	-	1.001 (Switch)	1 bit
4	Buzzer state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
5	Night mode	On/Off	-	W	-	-	-	1.001 (Switch)	1 bit
6	Night mode state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
7	Proximity	On/Off	-	W	-	-	-	1.001 (Switch)	1 bit
8	Proximity state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
9	Brightness	Set value	-	W	-	-	-	5.004 (Percent U8)	1 byte
10	Brightness state	Value state	R	-	T	-	-	5.004 (Percent U8)	1 byte
11	Panel lock	On/Off	-	W	-	-	-	1.001 (Switch)	1 bit
12	Panel lock state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
13	Alarm	On/Off	-	W	-	-	-	1.001 (Switch)	1 bit
14	Alarm state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
15	Panel and probes calibration	Trigger	-	W	-	-	-	1.017 (Trigger)	1 bit

Keypad

Number	Name	Function	R	W	T	U	I	DPT	Length
16	Key 1 LED	On/Off	-	W	T	U	I	1.001 (Switch)	1 bit
17	Key 1 LED state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
18	Key 1 blinking LED	On/Off	-	W	T	U	I	1.001 (Switch)	1 bit
19	Key 1 blinking LED state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
20	Key 1 function A switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
21	Key 1 function A switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
22	Key 1 function A absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
23	Key 1 function A relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
24	Key 1 function A blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
25	Key 1 function A blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
26	Key 1 function A blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
27	Key 1 function A blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
28	Key 1 function A scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
29	Key 1 function A custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
30	Key 1 function A custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
31	Key 1 function A custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
32	Key 1 function A custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
33	Key 1 function A custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
34	Key 1 function B switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
35	Key 1 function B switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
36	Key 1 function B absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte

Number	Name	Function	R	W	T	U	I	DPT	Length
37	Key 1 function B relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
38	Key 1 function B blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
39	Key 1 function B blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
40	Key 1 function B blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
41	Key 1 function B blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
42	Key 1 function B scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
43	Key 1 function B custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
44	Key 1 function B custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
45	Key 1 function B custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
46	Key 1 function B custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
47	Key 1 function B custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
48	Key 1 function C switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
49	Key 1 function C switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
50	Key 1 function C absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
51	Key 1 function C relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
52	Key 1 function C blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
53	Key 1 function C blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
54	Key 1 function C blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
55	Key 1 function C blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit

Number	Name	Function	R	W	T	U	I	DPT	Length
56	Key 1 function C scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
57	Key 1 function C custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
58	Key 1 function C custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
59	Key 1 function C custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
60	Key 1 function C custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
61	Key 1 function C custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
62	Key 2 LED	On/Off	-	W	T	U	I	1.001 (Switch)	1 bit
63	Key 2 LED state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
64	Key 2 blinking LED	On/Off	-	W	T	U	I	1.001 (Switch)	1 bit
65	Key 2 blinking LED state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
66	Key 2 function A switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
67	Key 2 function A switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
68	Key 2 function A absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
69	Key 2 function A relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
70	Key 2 function A blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
71	Key 2 function A blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
72	Key 2 function A blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
73	Key 2 function A blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
74	Key 2 function A scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
75	Key 2 function A custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
76	Key 2 function A custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte

Number	Name	Function	R	W	T	U	I	DPT	Length
77	Key 2 function A custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
78	Key 2 function A custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
79	Key 2 function A custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
80	Key 2 function B switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
81	Key 2 function B switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
82	Key 2 function B absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
83	Key 2 function B relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
84	Key 2 function B blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
85	Key 2 function B blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
86	Key 2 function B blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
87	Key 2 function B blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
88	Key 2 function B scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
89	Key 2 function B custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
90	Key 2 function B custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
91	Key 2 function B custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
92	Key 2 function B custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
93	Key 2 function B custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
94	Key 2 function C switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
95	Key 2 function C switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
96	Key 2 function C absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte

Number	Name	Function	R	W	T	U	I	DPT	Length
97	Key 2 function C relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
98	Key 2 function C blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
99	Key 2 function C blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
100	Key 2 function C blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
101	Key 2 function C blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
102	Key 2 function C scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
103	Key 2 function C custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
104	Key 2 function C custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
105	Key 2 function C custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
106	Key 2 function C custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
107	Key 2 function C custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
108	Key 3 LED	On/Off	-	W	T	U	I	1.001 (Switch)	1 bit
109	Key 3 LED state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
110	Key 3 blinking LED	On/Off	-	W	T	U	I	1.001 (Switch)	1 bit
111	Key 3 blinking LED state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
112	Key 3 function A switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
113	Key 3 function A switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
114	Key 3 function A absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
115	Key 3 function A relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
116	Key 3 function A blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit

Number	Name	Function	R	W	T	U	I	DPT	Length
117	Key 3 function A blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
118	Key 3 function A blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
119	Key 3 function A blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
120	Key 3 function A scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
121	Key 3 function A custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
122	Key 3 function A custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
123	Key 3 function A custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
124	Key 3 function A custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
125	Key 3 function A custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
126	Key 3 function B switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
127	Key 3 function B switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
128	Key 3 function B absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
129	Key 3 function B relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
130	Key 3 function B blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
131	Key 3 function B blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
132	Key 3 function B blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
133	Key 3 function B blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
134	Key 3 function B scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
135	Key 3 function B custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit

Number	Name	Function	R	W	T	U	I	DPT	Length
136	Key 3 function B custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
137	Key 3 function B custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
138	Key 3 function B custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
139	Key 3 function B custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
140	Key 3 function C switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
141	Key 3 function C switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
142	Key 3 function C absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
143	Key 3 function C relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
144	Key 3 function C blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
145	Key 3 function C blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
146	Key 3 function C blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
147	Key 3 function C blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
148	Key 3 function C scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
149	Key 3 function C custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
150	Key 3 function C custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
151	Key 3 function C custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
152	Key 3 function C custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
153	Key 3 function C custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
154	Multipress function A switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit

Number	Name	Function	R	W	T	U	I	DPT	Length
155	Multipress function A switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
156	Multipress function A absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
157	Multipress function A relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
158	Multipress function A blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
159	Multipress function A blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
160	Multipress function A blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
161	Multipress function A blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
162	Multipress function A scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
163	Multipress function A custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
164	Multipress function A custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
165	Multipress function A custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
166	Multipress function A custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
167	Multipress function A custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
168	Multipress function B switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
169	Multipress function B switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
170	Multipress function B absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
171	Multipress function B relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
172	Multipress function B blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
173	Multipress function B blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit

Number	Name	Function	R	W	T	U	I	DPT	Length
174	Multipress function B blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
175	Multipress function B blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
176	Multipress function B scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
177	Multipress function B custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
178	Multipress function B custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
179	Multipress function B custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
180	Multipress function B custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
181	Multipress function B custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
182	Multipress function C switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
183	Multipress function C switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
184	Multipress function C absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
185	Multipress function C relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
186	Multipress function C blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
187	Multipress function C blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
188	Multipress function C blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
189	Multipress function C blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
190	Multipress function C scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
191	Multipress function C custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
192	Multipress function C custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte

Number	Name	Function	R	W	T	U	I	DPT	Length
193	Multipress function C custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
194	Multipress function C custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
195	Multipress function C custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
196	External key 1 function A switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
197	External key 1 function A switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
198	External key 1 function A absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
199	External key 1 function A relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
200	External key 1 function A blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
201	External key 1 function A blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
202	External key 1 function A blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
203	External key 1 function A blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
204	External key 1 function A scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
205	External key 1 function A custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
206	External key 1 function A custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
207	External key 1 function A custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
208	External key 1 function A custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
209	External key 1 function A custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
210	External key 1 function B switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
211	External key 1 function B switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit

Number	Name	Function	R	W	T	U	I	DPT	Length
212	External key 1 function B absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
213	External key 1 function B relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
214	External key 1 function B blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
215	External key 1 function B blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
216	External key 1 function B blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
217	External key 1 function B blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
218	External key 1 function B scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
219	External key 1 function B custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
220	External key 1 function B custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
221	External key 1 function B custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
222	External key 1 function B custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
223	External key 1 function B custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
224	External key 1 function C switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
225	External key 1 function C switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
226	External key 1 function C absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
227	External key 1 function C relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
228	External key 1 function C blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
229	External key 1 function C blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
230	External key 1 function C blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte

Number	Name	Function	R	W	T	U	I	DPT	Length
231	External key 1 function C blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
232	External key 1 function C scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
233	External key 1 function C custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
234	External key 1 function C custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
235	External key 1 function C custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
236	External key 1 function C custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
237	External key 1 function C custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
238	External key 2 function A switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
239	External key 2 function A switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
240	External key 2 function A absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
241	External key 2 function A relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
242	External key 2 function A blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
243	External key 2 function A blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
244	External key 2 function A blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
245	External key 2 function A blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
246	External key 2 function A scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
247	External key 2 function A custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
248	External key 2 function A custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
249	External key 2 function A custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte

Number	Name	Function	R	W	T	U	I	DPT	Length
250	External key 2 function A custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
251	External key 2 function A custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
252	External key 2 function B switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
253	External key 2 function B switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
254	External key 2 function B absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
255	External key 2 function B relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
256	External key 2 function B blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
257	External key 2 function B blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
258	External key 2 function B blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
259	External key 2 function B blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
260	External key 2 function B scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
261	External key 2 function B custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
262	External key 2 function B custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
263	External key 2 function B custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
264	External key 2 function B custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
265	External key 2 function B custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes
266	External key 2 function C switch	Command	-	W	T	-	-	1.001 (Switch)	1 bit
267	External key 2 function C switch notify	Detect state	-	W	T	U	I	1.001 (Switch)	1 bit
268	External key 2 function C absolute dimming	Command	-	-	T	-	-	5.001 (Scaling)	1 byte



Number	Name	Function	R	W	T	U	I	DPT	Length
269	External key 2 function C relative dimming	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
270	External key 2 function C blind/shutter movement	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
271	External key 2 function C blind/shutter stop	Command	-	-	T	-	-	1.001 (Switch)	1 bit
272	External key 2 function C blind/shutter position	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
273	External key 2 function C blind/shutter slats	Command	-	-	T	-	-	1.008 (UpDown)	1 bit
274	External key 2 function C scene control	Command	-	-	T	-	-	18.001 (SceneControl)	1 byte
275	External key 2 function C custom 1 bit	Command	-	-	T	-	-	1.001 (Switch)	1 bit
276	External key 2 function C custom 1 byte unsigned	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
277	External key 2 function C custom 1 byte signed	Command	-	-	T	-	-	6.001 (Percent V8)	1 byte
278	External key 2 function C custom 2 bytes unsigned	Command	-	-	T	-	-	7.001 (Value 2 Ucount)	2 bytes
279	External key 2 function C custom 2 bytes signed	Command	-	-	T	-	-	8.001 (Value 2 Count)	2 bytes

Thermostat

Number	Name	Function	R	W	T	U	I	DPT	Length
280	Thermostat	On/Off	-	W	-	-	-	1.001 (Switch)	1 bit
281	Thermostat state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
282	Season	Set value	-	W	-	-	-	1.100 (Heat Cool)	1 bit
283	Season state	Value state	R	-	T	-	-	1.100 (Heat Cool)	1 bit
284	Actual setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
285	Actual setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes

Number	Name	Function	R	W	T	U	I	DPT	Length
286	Temperature	Measured value	R	-	T	-	-	9.001 (Value Temp)	2 bytes
287	HVAC mode	Set value	-	W	-	-	-	20.102 (HVACMode)	1 byte
288	HVAC mode state	Value state	R	-	T	-	-	20.102 (HVACMode)	1 byte
289	Cooling comfort setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
290	Cooling comfort setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
291	Cooling standby setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
292	Cooling standby setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
293	Cooling economy setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
294	Cooling economy setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
295	Cooling protection setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
296	Cooling protection setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
297	Heating comfort setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
298	Heating comfort setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
299	Heating standby setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
300	Heating standby setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
301	Heating economy setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
302	Heating economy setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
303	Heating protection setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
304	Heating protection setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes

Number	Name	Function	R	W	T	U	I	DPT	Length
305	On/Off valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
306	Percentage valve	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
307	Percentage valve state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte
308	PWM valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
309	PWM percentage state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte
310	Fancoil valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
311	Fancoil speed	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
312	Fancoil speed 1	Command	-	-	T	-	-	1.001 (Switch)	1 bit
313	Fancoil speed 2	Command	-	-	T	-	-	1.001 (Switch)	1 bit
314	Fancoil speed 3	Command	-	-	T	-	-	1.001 (Switch)	1 bit
315	Fancoil manual mode	Enable/Disable	-	W	-	-	-	1.003 (Enable)	1 bit
316	Fancoil manual mode state	Enable/Disable state	R	-	T	-	-	1.003 (Enable)	1 bit
317	Fancoil manual speed	Set value	-	W	-	-	-	5.001 (Scaling)	1 byte
318	Fancoil manual speed state	Value state	R	-	T	-	-	5.001 (Scaling)	1 byte
319	Cooling On/Off valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
320	Cooling percentage valve	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
321	Cooling percentage valve state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte
322	Cooling PWM valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
323	Cooling PWM percentage state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte

Number	Name	Function	R	W	T	U	I	DPT	Length
324	Cooling fancoil valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
325	Cooling fancoil speed	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
326	Cooling fancoil speed 1	Command	-	-	T	-	-	1.001 (Switch)	1 bit
327	Cooling fancoil speed 2	Command	-	-	T	-	-	1.001 (Switch)	1 bit
328	Cooling fancoil speed 3	Command	-	-	T	-	-	1.001 (Switch)	1 bit
329	Cooling fancoil manual mode	Enable/Disable	-	W	-	-	-	1.003 (Enable)	1 bit
330	Cooling fancoil manual mode state	Enable/Disable state	R	-	T	-	-	1.003 (Enable)	1 bit
331	Cooling fancoil manual speed	Set value	-	W	-	-	-	5.001 (Scaling)	1 byte
332	Cooling fancoil manual speed state	Value state	R	-	T	-	-	5.001 (Scaling)	1 byte
333	Heating On/Off valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
334	Heating percentage valve	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
335	Heating percentage valve state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte
336	Heating PWM valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
337	Heating PWM percentage state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte
338	Heating fancoil valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
339	Heating fancoil speed	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
340	Heating fancoil speed 1	Command	-	-	T	-	-	1.001 (Switch)	1 bit
341	Heating fancoil speed 2	Command	-	-	T	-	-	1.001 (Switch)	1 bit
342	Heating fancoil speed 3	Command	-	-	T	-	-	1.001 (Switch)	1 bit

Number	Name	Function	R	W	T	U	I	DPT	Length
343	Heating fancoil manual mode	Enable/Disable	-	W	-	-	-	1.003 (Enable)	1 bit
344	Heating fancoil manual mode state	Enable/Disable state	R	-	T	-	-	1.003 (Enable)	1 bit
345	Heating fancoil manual speed	Set value	-	W	-	-	-	5.001 (Scaling)	1 byte
346	Heating fancoil manual speed state	Value state	R	-	T	-	-	5.001 (Scaling)	1 byte
347	Active valve state	Value state	R	-	T	-	-	5.001 (Scaling)	1 byte
348	Six-ways valve	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
349	Six-ways valve state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte

Humidistat

Number	Name	Function	R	W	T	U	I	DPT	Length
350	Humidistat	On/Off	-	W	-	-	-	1.001 (Switch)	1 bit
351	Humidistat state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
352	Humidistat season	Set value	-	W	-	-	-	1.100 (Heat Cool)	1 bit
353	Humidistat season state	Value state	R	-	T	-	-	1.100 (Heat Cool)	1 bit
354	Humidity setpoint	Set value	-	W	-	-	-	9.007 (Value Humidity)	2 bytes
355	Humidity setpoint state	Value state	R	-	T	-	-	9.007 (Value Humidity)	2 bytes
356	Humidity	Measured value	R	-	T	-	-	9.007 (Value Humidity)	2 bytes
357	Humidistat valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
358	Dehumidification humidistat valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
359	Humidification humidistat valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit



External I/O

Number	Name	Function	R	W	T	U	I	DPT	Length
360	Door/window state	Detected value	R	-	T	-	-	1.019 (Window Door)	1 bit
361	External sensor temperature	Measured value	R	-	T	-	-	9.001 (Value Temp)	2 bytes
362	Screed temperature	Measured value	R	-	T	-	-	9.001 (Value Temp)	2 bytes
363	Dew point temperature	Calculated value	R	-	T	-	-	9.001 (Value Temp)	2 bytes
364	Dew point reached	Calculated value	R	-	T	-	-	1.005 (Alarm)	1 bit
365	External sensor humidity	Measured value	R	-	T	-	-	9.007 (Value Humidity)	2 bytes
366	Measured brightness	Measured value	R	-	T	-	-	7.013 (Brightness)	2 bytes
367	Brightness follow	Enable/Disable	-	W	-	-	-	1.003 (Enable)	1 bit
368	Brightness follow state	Enable/Disable state	R	-	T	-	-	1.003 (Enable)	1 bit
369	Brightness value	Set value	-	W	T	U	I	7.013 (Brightness)	2 bytes
370	Desired brightness	Set value	-	W	-	-	-	7.013 (Brightness)	2 bytes
371	Desired brightness state	Value state	R	-	T	-	-	7.013 (Brightness)	2 bytes
372	Follow current brightness	Trigger	-	W	-	-	-	1.017 (Trigger)	1 bit
373	Brightness follow dimmer	Command	-	-	T	-	-	3.007 (Control Dimming)	4 bits
374	Generic sensor value	Measured value	R	-	T	-	-	5.001 (Scaling)	1 byte

Aux thermostat

Number	Name	Function	R	W	T	U	I	DPT	Length
375	Aux thermostat	On/Off	-	W	-	-	-	1.001 (Switch)	1 bit
376	Aux thermostat state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
377	Aux season	Set value	-	W	-	-	-	1.100 (Heat Cool)	1 bit
378	Aux season state	Value state	R	-	T	-	-	1.100 (Heat Cool)	1 bit
379	Aux actual setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
380	Aux actual setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
381	Aux temperature	Measured value	R	-	T	-	-	9.001 (Value Temp)	2 bytes
382	Aux HVAC mode	Set value	-	W	-	-	-	20.102 (HVACMode)	1 byte
383	Aux HVAC mode state	Value state	R	-	T	-	-	20.102 (HVACMode)	1 byte
384	Aux cooling comfort setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
385	Aux cooling comfort setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
386	Aux cooling standby setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
387	Aux cooling standby setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
388	Aux cooling economy setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
389	Aux cooling economy setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
390	Aux cooling protection setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
391	Aux cooling protection setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
392	Aux heating comfort setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
393	Aux heating comfort setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
394	Aux heating standby setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes

Number	Name	Function	R	W	T	U	I	DPT	Length
395	Aux heating standby setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
396	Aux heating economy setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
397	Aux heating economy setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
398	Aux heating protection setpoint	Set value	-	W	-	-	-	9.001 (Value Temp)	2 bytes
399	Aux heating protection setpoint state	Value state	R	-	T	-	-	9.001 (Value Temp)	2 bytes
400	Aux On/Off valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
401	Aux percentage valve	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
402	Aux percentage valve state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte
403	Aux PWM valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
404	Aux PWM percentage state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte
405	Aux fancoil valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
406	Aux fancoil speed	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
407	Aux fancoil speed 1	Command	-	-	T	-	-	1.001 (Switch)	1 bit
408	Aux fancoil speed 2	Command	-	-	T	-	-	1.001 (Switch)	1 bit
409	Aux fancoil speed 3	Command	-	-	T	-	-	1.001 (Switch)	1 bit
410	Aux fancoil manual mode	Enable/Disable	-	W	-	-	-	1.003 (Enable)	1 bit
411	Aux fancoil manual mode state	Enable/Disable state	R	-	T	-	-	1.003 (Enable)	1 bit
412	Aux fancoil manual speed	Set value	-	W	-	-	-	5.001 (Scaling)	1 byte
413	Aux fancoil manual speed state	Value state	R	-	T	-	-	5.001 (Scaling)	1 byte
414	Aux cooling On/Off valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
415	Aux cooling percentage valve	Command	-	-	T	-	-	5.001 (Scaling)	1 byte

Number	Name	Function	R	W	T	U	I	DPT	Length
416	Aux cooling percentage valve state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte
417	Aux cooling PWM valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
418	Aux cooling PWM percentage state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte
419	Aux cooling fancoil valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
420	Aux cooling fancoil speed	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
421	Aux cooling fancoil speed 1	Command	-	-	T	-	-	1.001 (Switch)	1 bit
422	Aux cooling fancoil speed 2	Command	-	-	T	-	-	1.001 (Switch)	1 bit
423	Aux cooling fancoil speed 3	Command	-	-	T	-	-	1.001 (Switch)	1 bit
424	Aux cooling fancoil manual mode	Enable/Disable	-	W	-	-	-	1.003 (Enable)	1 bit
425	Aux cooling fancoil manual mode state	Enable/Disable state	R	-	T	-	-	1.003 (Enable)	1 bit
426	Aux cooling fancoil manual speed	Set value	-	W	-	-	-	5.001 (Scaling)	1 byte
427	Aux cooling fancoil manual speed state	Value state	R	-	T	-	-	5.001 (Scaling)	1 byte
428	Aux heating On/Off valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
429	Aux heating percentage valve	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
430	Aux heating percentage valve state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte
431	Aux heating PWM valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
432	Aux heating PWM percentage state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte
433	Aux heating fancoil valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
434	Aux heating fancoil speed	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
435	Aux heating fancoil speed 1	Command	-	-	T	-	-	1.001 (Switch)	1 bit
436	Aux heating fancoil speed 2	Command	-	-	T	-	-	1.001 (Switch)	1 bit

Number	Name	Function	R	W	T	U	I	DPT	Length
437	Aux heating fancoil speed 3	Command	-	-	T	-	-	1.001 (Switch)	1 bit
438	Aux heating fancoil manual mode	Enable/Disable	-	W	-	-	-	1.003 (Enable)	1 bit
439	Aux heating fancoil manual mode state	Enable/Disable state	R	-	T	-	-	1.003 (Enable)	1 bit
440	Aux heating fancoil manual speed	Set value	-	W	-	-	-	5.001 (Scaling)	1 byte
441	Aux heating fancoil manual speed state	Value state	R	-	T	-	-	5.001 (Scaling)	1 byte
442	Aux active valve state	Value state	R	-	T	-	-	5.001 (Scaling)	1 byte
443	Aux six-ways valve	Command	-	-	T	-	-	5.001 (Scaling)	1 byte
444	Aux six-ways valve state	Command state	R	-	T	-	-	5.001 (Scaling)	1 byte

Aux humidistat

Number	Name	Function	R	W	T	U	I	DPT	Length
445	Aux humidistat	On/Off	-	W	-	-	-	1.001 (Switch)	1 bit
446	Aux humidistat state	On/Off state	R	-	T	-	-	1.001 (Switch)	1 bit
447	Aux humidistat season	Set value	-	W	-	-	-	1.100 (Heat Cool)	1 bit
448	Aux humidistat season state	Value state	R	-	T	-	-	1.100 (Heat Cool)	1 bit
449	Aux humidity setpoint	Set value	-	W	-	-	-	9.007 (Value Humidity)	2 bytes
450	Aux humidity setpoint state	Value state	R	-	T	-	-	9.007 (Value Humidity)	2 bytes
451	Aux humidity	Measured value	R	-	T	-	-	9.007 (Value Humidity)	2 bytes
452	Aux humidistat valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit
453	Aux dehumidification humidistat valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit

Number	Name	Function	R	W	T	U	I	DPT	Length
454	Aux humidification humidistat valve	Command	-	-	T	-	-	1.001 (Switch)	1 bit