

UPDATE TRH-XP

BUS-ENABLED DEW-POINT CONTROLLER WITH INTEGRATED TEMPERATURE SENSOR AND HUMIDITY SENSOR

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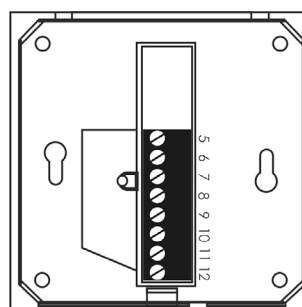
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NOTICE

Features updated!

- Label the page 3-16 in the current product overview 2020 as invalid.
- Use the **TRH-XP update** only.



5 0V
6 L
7 H
8 0V
9 L
10 H
11 U+
12 GND

Features

- Dew-point driven power controller for operating glass and handrail heaters
- Room temperature signals and humidity sensor signals over the Wurm CAN communication bus (C-BUS)
- Heater control by CAN bus switch module BSM001 and ECA970
- Enthalpy shift module for rack controller DCC-XP starting from version 5, DCC-BL and DSC-XP
- Connection of several heaters per channel
- Even distribution of current loads
- Avoids current peaks when switching on
- For all standard refrigeration units
- 8 different control characteristics per channel
- Adjustable minimum operating time per channel
- Good temperature stability with 72 switchings per hour
- CAN bus address adjustable by coding switch
- CAN bus terminating resistor and CAN bus baud rate adjustable by DIP switch
- Saves high consumption values for statistical analysis
- Graphical representation of power consumption in FRIGODATA XP
- Connection to the Wurm system via C-BUS and FRIGODATA XP

Technical data

Power supply	15...24V=
Power consumption	Approx. 300mW
Central unit	Single-chip microcomputer, data memory
Sensors	Internal temperature sensor and humidity sensor, Measurement range: -20...+50°C +/-0.3% 0...100%Rh +/-2%
Monitoring system	Monitoring of the connected sensors, self-monitoring of data memory and microcomputer
Communication	3-wire CAN bus interface with integrated power supply, galvanically isolated
Internal clock time	Detection of system clock time on the gateway (only when used in the CAN bus system), with no power reserve in the event of power failure
Dimensions	(W x H x D) 85 x 85 x 20mm (DIN 43880)
Fastening	Wall installation with 2 screws
Ambient temperature	Operation: -20...+55°C, storage: -10...+50°C at 20...60% Rh
Weight	About 100g
CE conformity	– 2014/30/EU (EMC Directive)
EAC conformity	– TR CU 020/2011
	RoHS II
Valid from	Version 1.9.0



Accessories

BSM001	Decentralised switch module for CAN bus
SNT24	Power supply unit for 24V=