

Mounting - Instruction

CRW1-T-FC03 Fan Coil Thermostat Mounting - Programming

Description

The Fan Coil Thermostat CRW1-T-FC03 is designed to control a Fan Coil Unit

- » 3 Step Fan and 0...10V heating and cooling outputs
- » Power supply 24 VAC
- » Use together with Gruner Valve Actuators and Valves from Gruner
- » High quality, economical Fan Coil solution

Use

ON/OFF:

Press power the button "⏻" to switch between ON and OFF mode of the thermostat. In OFF Mode all functions are idled.

Temperature Setting: Press "▼" to reduce or "▲" to increase the temperature setpoint

Mode: Press "M" to change mode between Cool, Heat and Ventilation, mode will be confirmed by pressing other button or automatically after 6 seconds

Fan: Press "🌀" to change between fan speed 1-2-3 or Auto fan mode.

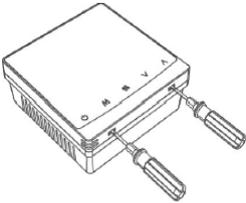
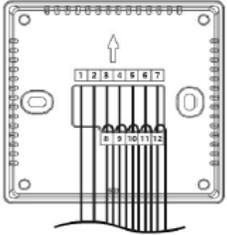
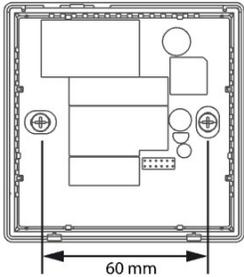
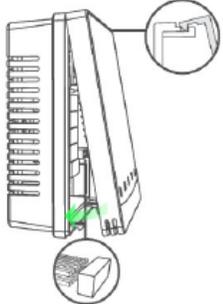
Backlight: Pressing any key will activate the backlight. Backlights will switch off after 6 seconds without activities

Lock keypad: (when Item 11 set to 1/2/3): Press "▼" and "▲" for 3 seconds.

Unlock keypad: Press "▼" and "▲" for 3 seconds



Installation

<p>1) Remove the front cover by prying hooks with a flat screw driver from the backplate.</p>	<p>2) Fit the front part of the casing to the top edge and make sure the pins are properly positioned. Push the front of the casing until you hear positive click.</p>	<p>3) Surface mounting in a 60 mm wall box. Make sure the back cover is in the appropriate position (according to the arrow on it)</p>	<p>4) For the convenience of installation, the first step is to wire the volt-free wires, low-voltage wires then high-voltage wires. Check the wires are property connected..</p>
			

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Parameter Set

Switch off the thermostat and press "M" and "▲" 5 seconds to enter parameter setting menu, press the "M" or "↻" to change the item, and press ▼ ▲ to change the value, press power button "⏻" or wait 30S to exit and save all settings .

No.	Name of Parameter	Parameter definition
1	System type	0:2-pipe fan coil unit (Default) 1:4-pipe fan coil unit 2: Reserved 3: Reserved
2	Auto Mode	0: manual (Default) 1: auto
3	Sensor type	1: internal sensor only (Default) 2: external sensor only 3: internal sensor & external sensor
4	Fan control	0: fan stop after reach temperature setpoint (Default) 1: fan continuous running after reach setpoint
5	N/A	N/A
6	Temperature Display	0 = show room temperature (Default) 1 = show setpoint
7	Display Temp. adjustment	-4C~4C(Default=0)
8	Dead band	1-4C(Default=1)
9	Auto heat pipe temperature	21~40C (Default value 22C) for 2-pipe auto mode with external sensor only
10	Auto Cool pipe temperature	10~20(Default value 18C) for 2-pipe auto mode with external sensor only
11	Keypad Lockout	0 All keys available(default) 1 All buttons locked out 2 System button Locked out 3 All buttons locked out except System
12	Power Up Status	0: System Off(default) 1: System last state before power off 2: System On
13	N/A	N/A
14	Freeze Protection	0: Disable (Default) 1: Enable
15	Programmable	1: non-programmable 2: Timer on/off (Default) 3: Programmable 4: Timer + Programmable
16	Preheat Temp.	21-50C(Default=38)
17	Minimum setpoint	5-18C (Default value=5C)
18	Cooling Setpoint setback	22-32C(Default=28)
19	Maximum setpoint	20-35C (Default value=35C)
20	Heating Setpoint setback	10-21C(Default=18)
21	N/A	N/A
22	N/A	N/A
23	N/A	N/A

Installation Notes



Observe the following general regulation for engineering and implementation.

- » All relevant national and heavy power regulations.
- » Other country specific regulations.
- » Country-specific regulations.
- » Local electrical supply authority regulation.
- » Schematics, cable listings, dispositions, specification and arrangements from the customer or engineering office in charge.
- » Third party specifications, e.g. general contractors or constructors.

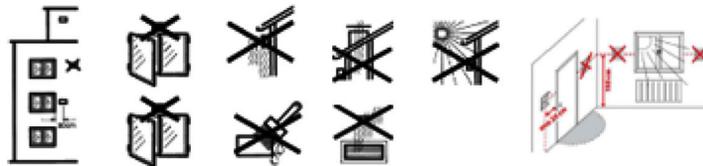
Disposal Notes



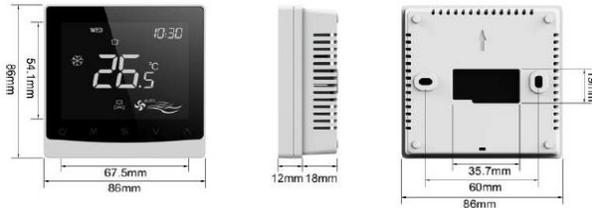
The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU.

- » The device may not be disposed as domestic garbage.
- » The device must be disposed through channels provided for this purpose.
- » It is mandatory to comply with local currently applying laws and regulations.

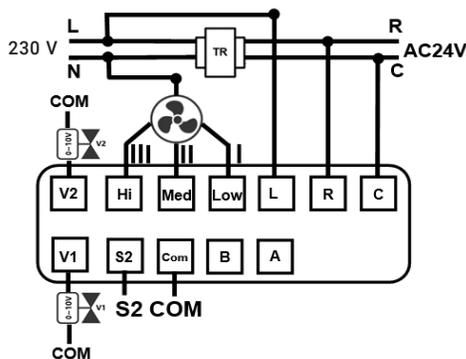
Mounting Advice



Dimension



Wiring Diagram



CRW1-T-FC03

2-pipe:

V1, COM: Cool/Heat 0~10V valve

4-pipe:

V1, COM: 0~10V Cooling valve

V2, COM: 0~10V Heating valve

S2: Remote sensor.

Terminal Definition: 1: C; 2:R; 3:L; 4: Low; 5: Med; 6:Hi; 7: V2; 8: A; 9:B; 10:COM; 11:S2; 12:V1

For example, CRW1-T-FC03, the valves are 230V/24V power supply 3-speed ON/OFF signal . please connect 230V/24V Live to the "L" so that the 24V thermostat can transfer the 230V/24V voltage to the 3-speed Fan.

Which means what voltage you input to L, and the L will give the same voltage to the valves 3-speed Fan.