

Mounting - Instruction

# CRW1-T-FC06 Fan Coil Thermostat Mounting - Programming

## Description

The Fan Coil Thermostat CRW1-T-FC06 is designed to control a Fan Coil Unit

- » EC Motor Fan and 0...10V heating and cooling outputs
- » Power supply 230 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.

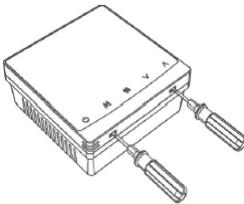
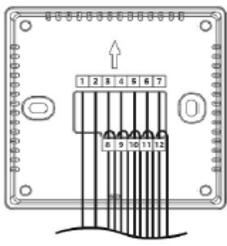
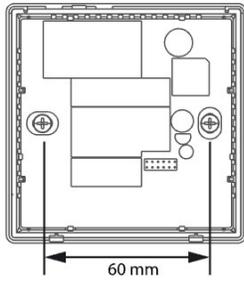
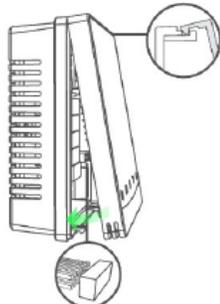
**Backlight:** Pressing any key will activate the backlight. Backlights will switch off after 6 seconds without activities

**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: Reserved 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	Unoccupancy status	0: cut off all outputs 1: setback setpoint
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	Energy saving-- Dry Contact (Key Card)	0: If the card is inserted, S1 and COM will be open (NC Dry Contact as Default) 1: If the card is inserted, S1 and COM will be closed (NO Dry Contact)
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	Cooling only	0: Cool, Heat & Ventilation (Default) 1: Cool & Ventilation
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.

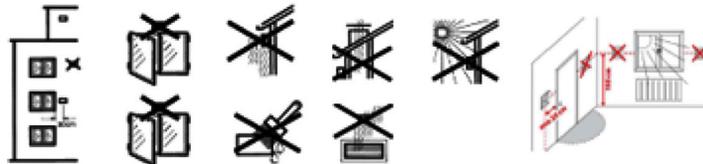
**Disposal Notes**



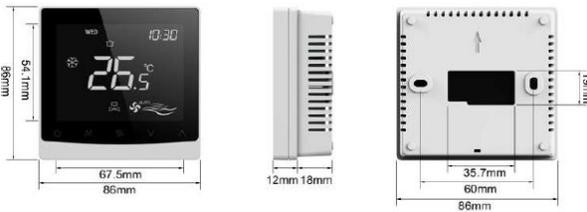
**The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU.**

- » 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.

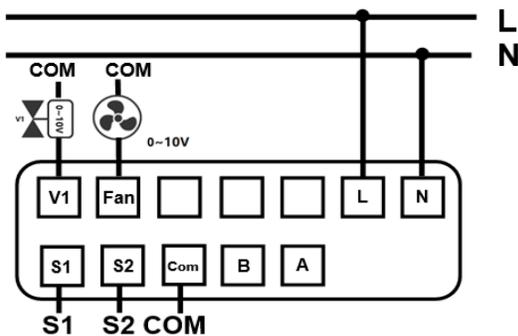
**Mounting Advice**



**Dimension**



**Wiring Diagram**



**CRW1-T-FC06**

- V1,COM: Cooling/Heating 0~10V valve
- Fan, COM: 0~10V EC motor fan
- S1: Dry contact
- S2: Remote sensor

Terminal Definition: 1: N; 2:L; 6:Fan; 7: V1; 8: A; 9:B; 10:COM; 11:S2; 12:S1