TA692FC-BAC

Fan Coil Thermostat

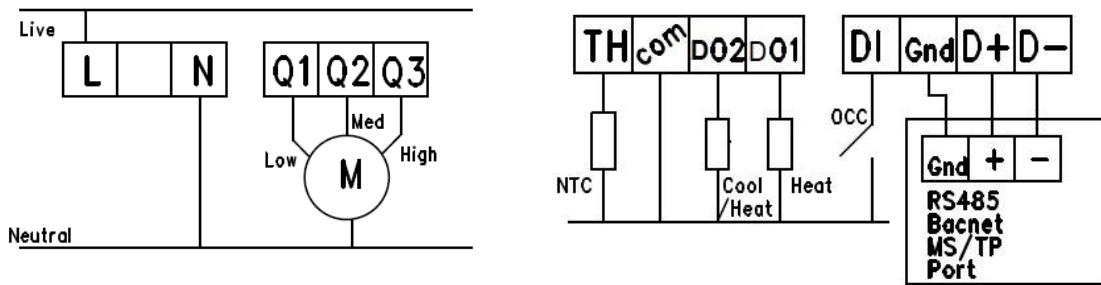|	
Operating Voltage	230V$_{AC}$
Mode of communication	BACnet MS/TP

Features

- 4-pipe FCU

- 3-speed fan manual or auto adjustable

- Cooling valve on/off

- Heating valve on/off

- Output: digital type x 5

- Input: opened/closed detect x1, external temperature sensor x1

- 3.4" high-contrast VA TN with backlit

- Touch keys x 5

- Flush-mount installation in an 86x86 / British single-gang wall-box

Technical Specification

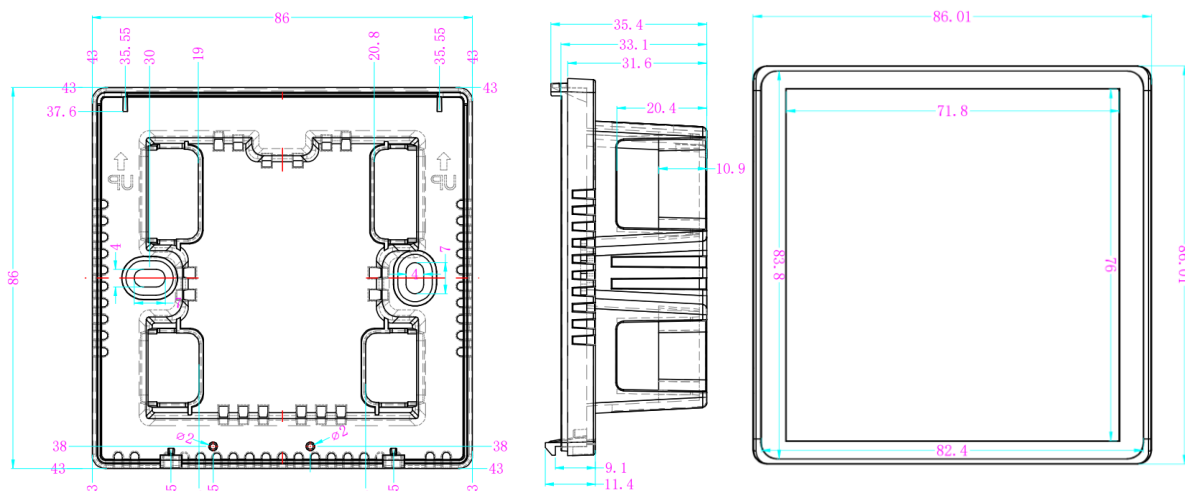|	
Measuring temperature	0 – 40°C
Controlling temperature	5 – 35°C
Measuring accuracy/resolution	+/-0.5°C
Q1/Q2/Q3 contact voltage	230V$_{AC}$ max. 50/60 Hz
Q1/Q2/Q3 contact current	5(3)A max.
DO contact voltage	230V$_{AC}$ max. 50/60 Hz
DO contact current	5(3)A max.

Wiring Diagram

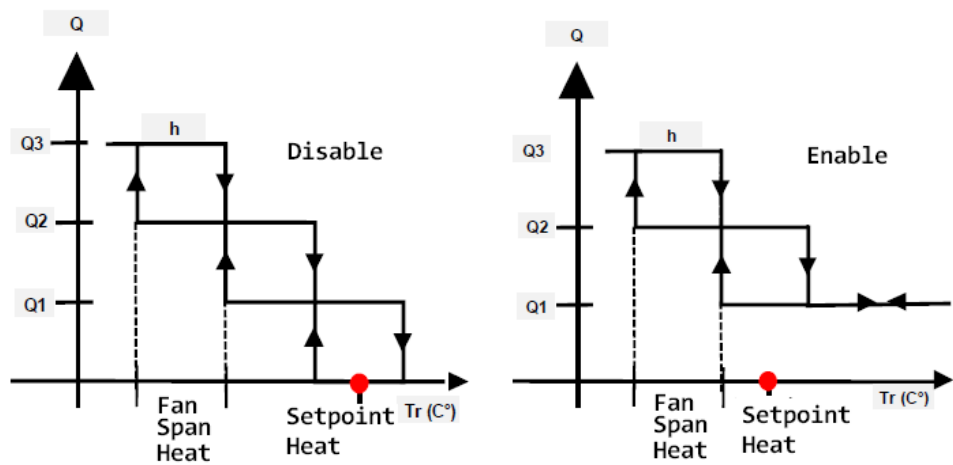| Symbols	Terminals
L	Live
N	Neutral
DO1	Heat Valve
DO2	Cool Valve
D+	RS 485 Data+
D-	RS 485 Data-
Gnd	RS 485 GND
Q1	Fan Speed Low
Q2	Fan Speed Med
Q3	Fan Speed High
DI	Open/Close contact / occupancy detect
COM	Common
TH	External NTC temperature sensor

Dimensions / Outline

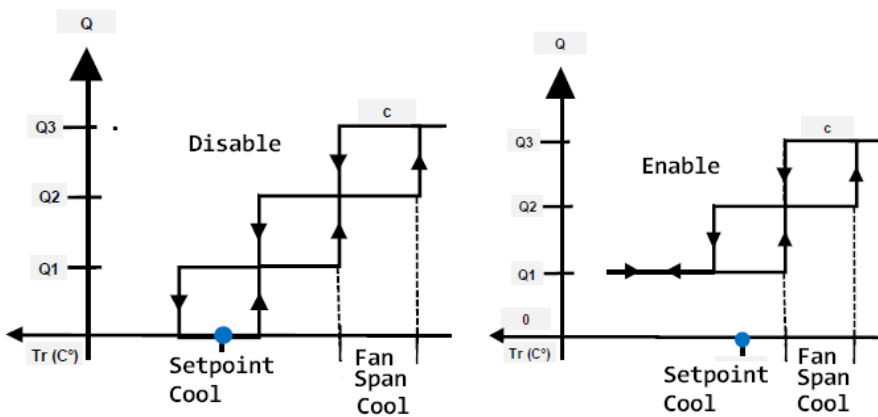Protruding part – 86.0mm(W) x 86.0mm(H) x 16.5mm(D)

Inside wall-box – 64.0mm(W) x 66.5mm(H) x 26.6mm(D)

Fan Speed (Q₃ Q₂ Q₁) when Forced Ventilation is disabled

Fan Speed (Q₃ Q₂ Q₁) when Forced Ventilation is enabled

Display Content

#	Definition
6	Measured Temperature
7	Set Point
8	Comfort Mode (not applicable to TA692FC-BAC)
9	Economic Mode (not applicable to TA692FC-BAC)
10	Occupancy Sensor (DI Closed)
11	External Sensor Connected (External sensor in-use)
12	Heat mode
13	Cool mode
14	Fan Speed Selection (High / Med / Low + Fan Auto)
15	Auto Mode

Display Content

Keys	Function
(M)	Menu Key (short press:change mode, long hold:internal setting)
🞕	Fan Speed
⏻	Power On/Off Key
△	Setting Up Key
▽	Setting Down key

BACnet

BACnet Standardized Device Profile (Annex L)	: BACnet Application Specific Controller (B-ASC)
Supported BACnet Services	: Data Sharing
Read Property –B	DS-RP-B
Read Property Multiple –B	DS-RPM-B
Write Property –B	DS-WP-B
Device Management	
Device Communication Control –B	DM-DCC-B
Dynamic Device Binding –B	DM-DDB-B
Dynamic Object Binding –B	DM-DOB-B

Object List

BACnet name	Type	Instance Num	R/W	Remark (Default Value)
Device ID		0 ~ 3FFFF	R	Default = 5, dlmstp = 1
Room Unit On/Off	BV	0	R/W	0: Off / 1: On (0)
Force Ventilation	BV	1	R/W	0: Disable, 1: Enable (0)
Temperature Unit	BV	2	R/W	0: Celsius, 1: Fahrenheit (0)
Heat valve	BV	3	R/W	0: Off / 1: On
Cool valve	BV	4	R/W	0: Off / 1: On
Occupancy Sensor	BI	0	R	0: Comfort / 1: Eco (0)
Fan Auto	BI	1	R	0: Manual / 1: Auto (0)
Fan Low	BI	2	R	0: Off / 1: On
Fan Med	BI	3	R	0: Off / 1: On
Fan Hi	BI	4	R	0: Off / 1: On
Room Temperature	AI	0	R	5.0°C ~ 35.0°C
Remote Sensor Temperature	AI	1	R	5.0°C ~ 35.0°C
System mode	AV	0	R/W	Heat/ Cool/ Auto 0,1,2 (0)
Dead band	AV	1	R/W	1.0°C...4.0°C, step 0.5 (2°C)
Fan Mode	AV	2	R/W	Fan Off/ Low/ Med/ Hi /Auto, 0...4 (0)
Temperature Calibration	AV	3	R/W	-4°C ... 4°C, (0°C)

Fan Span Heat	AV	4		R/W	1°C … 4°C (1°C)
Fan Span Cool	AV	5		R/W	1°C … 4°C (1°C)
Heat Set Point	AV	6		R/W	5.0°C … 35.0°C (20°C)
Cool Set Point	AV	7		R/W	5.0°C … 35.0°C (25°C)

Product picture in different angles