AVANTEC

TA640FC-BAC

Touch-Screen Thermostat

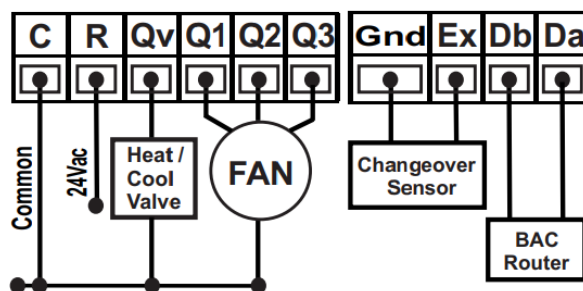|	
Operating Voltage	24V$_{AC}$
Mode of communication	BACnet
Fan	Low / Med / High / Auto

Features

- 1.5" VA TN with backlit and touch keys
- BACnet MSTP
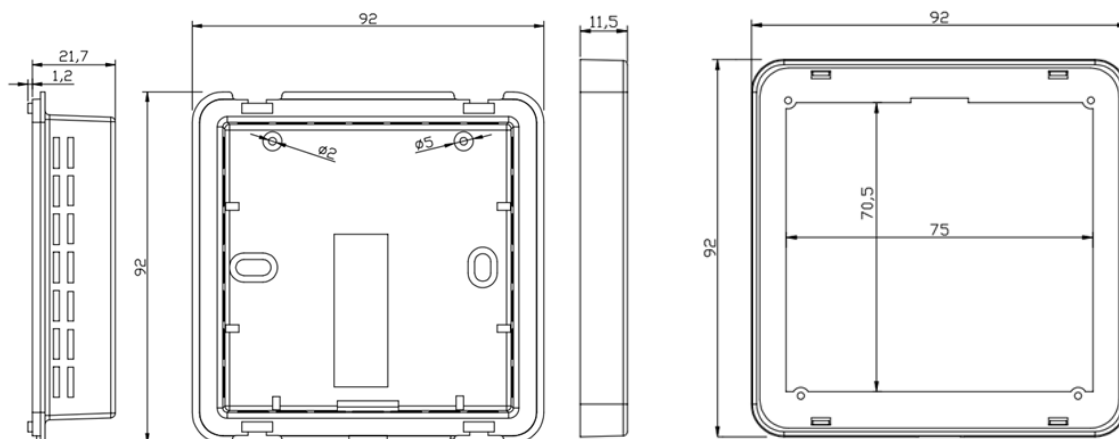- Surface-mount installation on all surface and structure
- Cooling system

Technical Specification

Operating supply voltage	24V$_{AC}$
Measuring temperature	0 – 40°C
Controlling temperature	5 – 35°C
Measuring accuracy/resolution	+/-0.5^{o}C
Q1/Q2/Q3 contact voltage	24V$_{AC}$ max 50/60 Hz
Q1/Q2/Q3 contact current	5(4)A max

Wiring Diagram

Dimensions / Outline

Object List supported by f/w v137

BACnet name	Type	Instance Num	R/W	Remark (Default Value)
Device ID		0 ~ 3FFFF	R	
Room Temperature	AI	0	R	5.0°C ~ 40.0°C
Heat/Cool Mode	AI	1	R	0: Heat | 1: Cool
Fan Mode	AI	2	R	0:Auto | 1: Low | 2:Mid | 3:High
Fan Status	AI	3	R	0:Off | 1: Low | 2:Mid | 3:High
External Sensor Temp	AI	4	R	5.0°C ~ 40.0°C
PI Heat Output %	AI	5	R	0% ~ 100%
PI Cool Output %	AI	6	R	0% ~100%
Room Temp Offset	AI	7	R	-5°C ~ +5°C
Cool mode span	AI	8	R	2°C ~ 4°C
Heat mode span	AI	9	R	2°C ~ 4°C
Cool mode setpoint(*)	AI	10	R	10°C ~ 35°C
Heat mode setpoint(*)	AI	11	R	10°C ~ 35°C
P.I. Cool mode P-Band	AV	0	R/W	0.5°C ~ 8°C (2°C)
P.I. Heat mode P-Band	AV	1	R/W	0.5°C ~ 8°C (2°C)
P.I. 0~10V output offset	AV	2	R/W	30 ~ 70 steps (50)
Room Temp setpoint	AV	3	R/W	10°C ~ 35°C
Occupancy mode status(*)	BI	0	R	On / Off
Forced Ventilation	BV	0	R/W	Enable / Disable
User Interface Screen Saver	BV	1	R/W	Standard / Off
System On/Off mode(*)	BV	2	R/W	On / Off

(*) *reserved parameters. Values have no impact on functionality and operation*