BacNet Commercial Thermostat

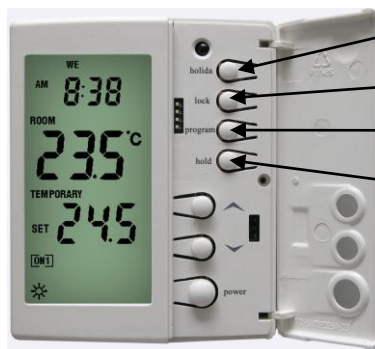## F08-NXB Series

For Single or Multistage Cooling/Heating and a Heat Pump Systems

Features

- Typical used in buildings for single zone rooftop units, split systems, heat pumps or hot/chilled water systems.
- Designed to provide exceptional temperature control of single & multistage heating and cooling equipment required to reside on BACnet MS/TP networks.
- A PIC statement is supplied to be easily mapped back to a graphical user interface.
- Self configuring / adjustable baud-rate senses the communication conditions of the current MS/TP network and match them.
- BACnet PIC statement provided to further facilitate integration.
- Pre-configured control sequences and rich parameters selectable to meet most applications
- All setup are permanently held in non-volatile memory in the event of a power failure.

- Attractive turn-cover design, most frequently used keys are located on the face for quick and easy access to information. Setup keypads are located on the interior to eliminate accidental setting changes.
- Large LCD display with enough information for quick and easy readability and operation. Such as measurement and setting temperature, fan and compressor work status, clock and timer etc.
- Automatic compressor short cycle protection
- Auto or manual fan operation.
- Auto or manual heat/cool changeover.
- Include a timer with the auto turning-off
- Temperature either °F or °C display
- Set point may be locked out /limited locally or via the network
- Infrared remote control optional
- Backlight of LCD optional

Buttons and LCD

heating/cooling/fan

fan on/ fan auto

Turn-off timing

To lock/unlock keys except *power*; To switch between room temp display and discharge temp display

Specifications

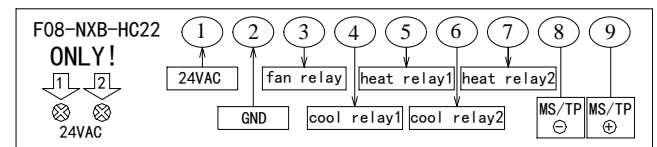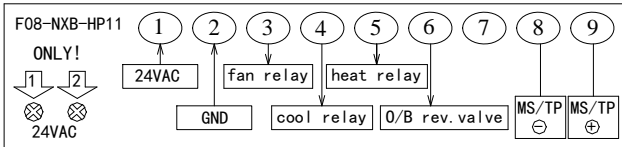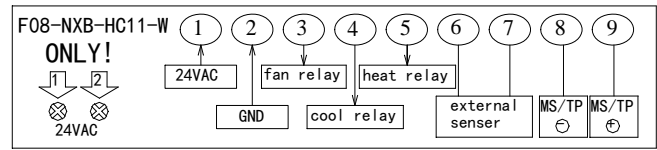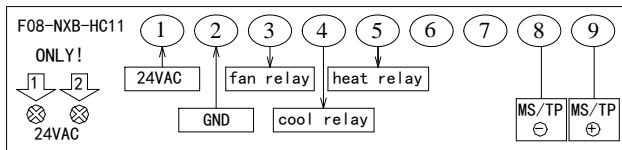|	
Power supply	24 VAC±10%　50/60HZ
Power consume	≤ 1W
Electrical rating	1 amp maximum load per terminal
Sensor	NTC 5K
Temperature degree	Celsius or Fahrenheit
Temperature control range (for heat/ cool)	5~35℃ (41~95℉)
Accuracy	±0.5℃ (±1℉) @25℃
Temperature differential	Two temperature differentials setting for each cooling/heating stage
Stages	Up to 2 stages cooling/ 2 stages heating
Timer	Can be set a auto turning-off timer
Cool/heat Changeover	Auto changeover or manual switch selectable by end users
Keys	On the surface: power/ increase/ decrease key Inside: programming keys
Net weight	320g
Dimensions	110mm(L)×90mm(W)×25mm(H)
Mounting standard	Mounting on the wall, 2"×4"or 65mm×65mm box
Housing	PC/ABS plastic material with IP30 protection class

Model

MODEL	DESCRIPTION
F08NXB -HC11-(F)	For one stage heating/ one stage cooling control, with a BACnet MS/TP connection
F08NXB-HP11-(F)	For one stage heating/ one stage cooling with a heat pump, has a BacNet MS/TP connection
F08NXB-HC11-W-(F)	For one stage heating/ one stage cooling control, with a BacNet MS/TP connection. The temperature sensor is external
F08NXB-HC22-(F)	For two stages heating and two stages cooling control, with a BacNet MS/TP connection
OPTIONS	
Backlight LCD **-EL**	Blue backlight of LCD
Remote Control**-R**	Infrared remote control

Shipping Information

Indiv. Ctn. Dim	135mm×95mm×55mm
Master Ctn. Qty	40
Master Ctn. Dim	44cm(L)X32cm(W)X32cm(H)
Master Ctn. Wt.	18KG

Wiring Diagrams

Mounting