

# Programmable Deluxe Thermostat

B67-NX Series

F or Multistage Cool/Heat AC System with a Heat Pump

CE Approval



Indoor Air Quality

Beltéri Levegőminőség Kft.

www.iaq.hu

## Features

- ① Deluxe design for control multistage AC system with a heat pump. It can control up to 2 stages cooling /3 stages heating with aux. heater.
- ① Easy to use and provides you with a more comfortable and convenient living environment.
- ① Program a week 7 days up to four time periods and temperature set points each day to complement your lifestyle and makes your room ambience comfortable.
- ① Programs are permanently held in non-volatile memory in the event of a power failure.
- ① Attractive turn-cover design, most frequently used keys are located on the LCD for quick and easy access to information. Program keys are located on the interior to eliminate accidental setting changes.
- ① Large LCD display with many messages for quick and easy readability and operation. Such as measurement and setting temperature, fan and compressor work status, clock and program etc.
- ① Automatic compressor short cycle protection extends the life of the major equipment
- ① Auto or manual fan operation.
- ① Adjusted 1st and 2nd stage temperature differential maintains optimal customer comfort.
- ① Auto or manual heat/cool changeover.
- ① Constant temperature allows continuous override the program
- ① Temporary temperature override
- ① Temperature either °F or °C display
- ① Unique lockable function makes all keys locked to eliminate accidental operation.
- ① Low temperature protection
- ① Infrared remote control optional
- ① Backlight of LCD optional
- ① RS485 Communication interface optional
- ① Infrared remote control optional

## Buttons and LCD



## Specifications

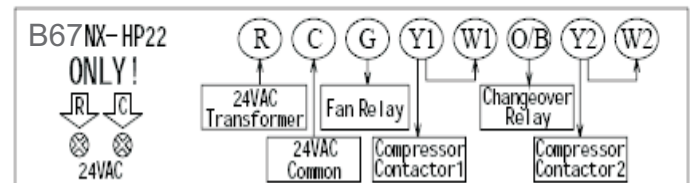
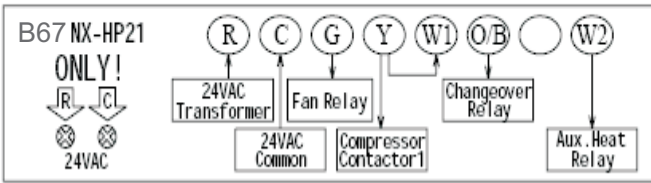
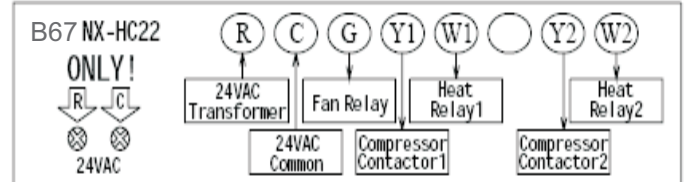
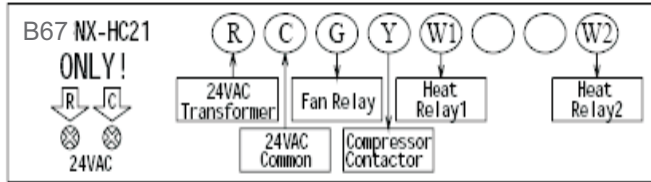
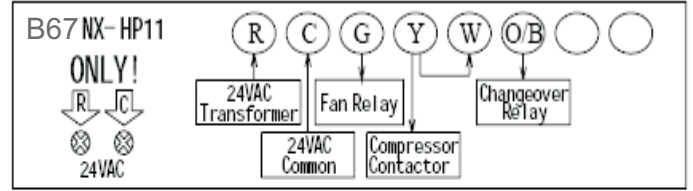
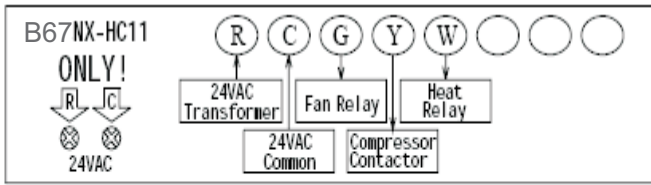
|               |                        |
|---------------|------------------------|
| Power supply  | 24 Volt AC±20% 50/60HZ |
| Power consume | 1W                     |

|  |  |
|--|--|
| Electrical rating                          | 1 amp maximum load per terminal  |
| Sensor                                     | NTC 5K @25°C   |
| Temperature degree                         | Celsius or Fahrenheit  |
| Temperature control range (for heat/ cool) | 5~35°C (41~95°F)   |
| Accuracy                                   | ±0.5°C (±1°F)  |
| Temperature differential                   | Two temperature differentials setting for each cooling/heating stage           |
| Stages                                     | Up to 2 stages cooling/ 3 stages heating                                       |
| Programmability                            | Program 7 days up to four time periods and temperature set points for each day |
| Cool/heat Changeover                       | Auto changeover or Manual switch selectable by end users                       |
| Keys                                       | On the surface: power/ increase/ decrease key<br>Inside: for programming keys  |
| Net weight                                 | 300g   |
| 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                             |
| Approval                                   | CE   |

## Model

| MODEL             | DESCRIPTION   |
|-------------------|---|
| B67NX -HP11       | For one stage heating/ one stage cooling with a heat pump, It also can be used as:<br>B67NX-HC11 (one stage heating/ one stage cooling)<br>B67NX-HC10 (one stage heating only)<br>B67NX-HC01 (one stage cooling only)                                 |
| B67NXC-HP11       | B67NX -HP11 with RS485 communication interface  |
| B67NX-HP22        | For two stages heating/ two stages cooling with a heat pump. It also can be used as:<br>B67NX-HC22 (two stages heating/ two stages cooling)<br>B67NX-HC12 (one stage heating/two stages cooling)<br>B67NX-HC21 (two stages heating/one stage cooling) |
| B67NXC-HP22       | B67NX-HP22 with RS485 communication interface   |
| OPTIONS           |   |
| Backlight LCD -EL | Blue backlight of LCD   |
| Remote Control-R  | Infrared receiver (works with the handheld remote controller)   |

## Wiring Diagrams



## Mounting

