

NEVT SERIES

TOUCH-SENSE LCD THERMOSTATS FOR NSVA SERIES



NEVT SERIES

NENUTEC NEVT series is a compact Human Machine Interface (HMI) equipped with robust sensing capabilities and a large LCD display. It incorporates a communication port (RJ11) employing Modbus communication protocol to establish seamless connectivity with the NSVA VAV actuator. This integrated system offers an optimal solution for the efficient operation and maintenance of smart and environmentally-friendly buildings.

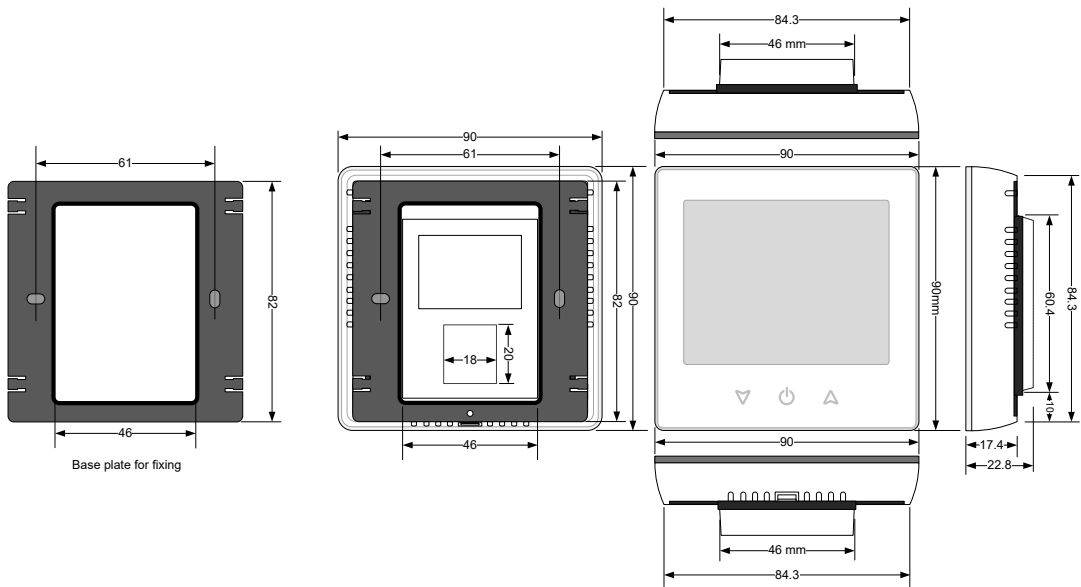
PRODUCT FEATURE

- Compact with sensing with large display LCD display
- MODBUS RTU for Communication
- Touch-sense with led indication for HMI operation
- Built in Temperature, Humidity, Carbon dioxide, IAQ sensor
- Field-calibration algorithm ASC for CO2 sensor auto-calibration
- Quick installation with pluggable terminal & RJ11 connection

MODEL SELECTION TABLE

MODEL	TEMPERATURE	HUMIDITY	CARBON DIOXIDE	BACKLIGHT
NEVT	O	X	X	O
NEVT-H	O	O	X	O
NEVT-IAQ	O	O	O	O

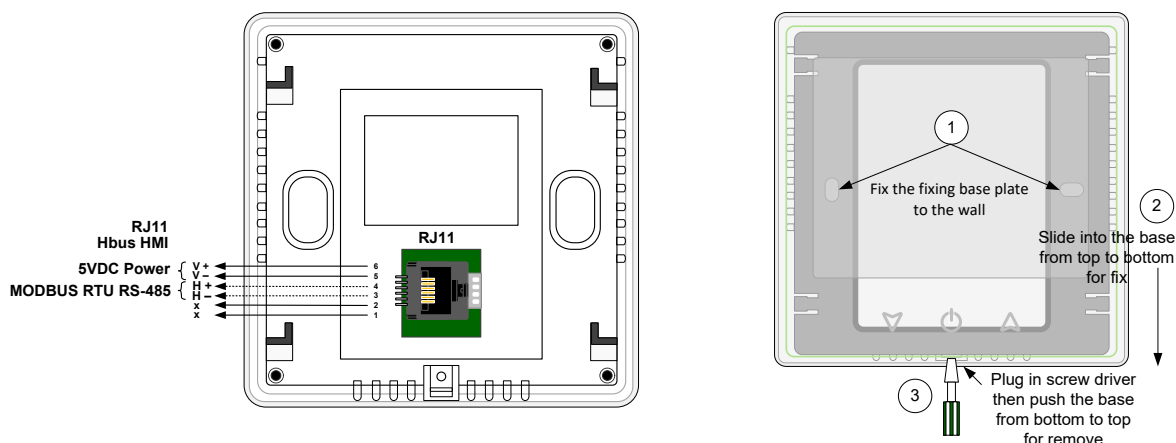
DIMENSION (mm)



TECHNICAL SPECIFICATION

MODEL	NEVT
POWER SUPPLY	5VDC, 1VA
MCU	MCU with memory
COMMUNICATION	MODBUS RTU RS-485 loop; Speed > 9600BPS, Up to 50m RJ 11 connection
DISPLAY	66 x 53 mm LCD with backlight
TEMPERATURE SENSOR	10KΩ @ 25°C (NTC) Thermistor, 0°C ~ 50°C ±0.5°C
HUMIDITY SENSOR	CMOS, 0~100%RH, ±2%RH
CARBON DIOXIDE (CO2)	Non-dispersive infrared (NDIR), 400 ~ 10000ppm, ±30ppm + 3% of reading, ASC, FRC (Field-calibration algorithm)
HOUSING	ABS + PC, IP20
WEIGHT	NEVT (150g), NEVT-H (150g), NEVT-IAQ (158g) (include base plate and packing)
OPERATING	0°C ~ 50°C 20 ~ 90%RH, Non condensing
SHIPPING & STORAGE	-4°F to 158°F (-20°C to 70°C), 5% to 95% RH non-condensing
CERTIFICATION	Comply with CE (LVD Directive 2014/35/EC, EMC Directive 2014/30/EC)

WIRING & INSTALLATION



1. NEVT series designed for signal connection.
2. Use RJ11 dedicated connector, you can use RJ11 dedicated 6-wire cable for wiring.
3. Please wire in accordance with the instructions of the junction diagram.
4. First, please fix the fixing base plate to the wall.
5. After insert the RJ11 dedicated 6-wire cable and fasten it, Slide the NEVT panel into the base from top to bottom along the wall until it snaps into place at the anchor points that hold the base plate to complete the installation.