NEVR SERIES

VAV SMARtT ACTUATOR HMI ROOM UNIT FOR NSVA SMART ACTUATORS

NEVR SERIES

NEVR series Human Machine Interface, Compact with sensing + Controller + Communication. It has communication port (MODBUS RTU) provide with RJ11 connector. For direct communicate with smart VAV actuator.
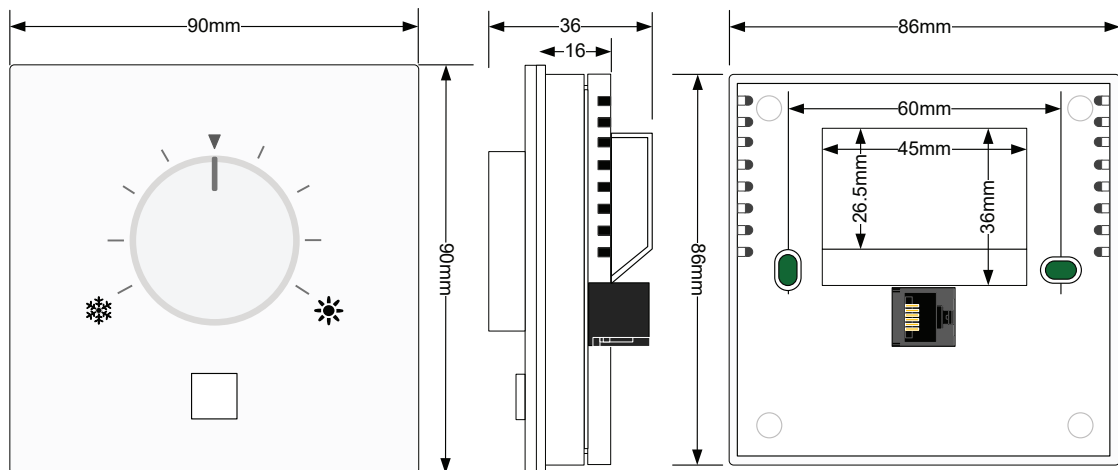
PRODUCT FEATURE

- 32 bit (MCU) with memory
- Compact with Sensing + Controller + Communication
- MODBUS RTU for Communication
- Built in Temperature(T), Humidity(H), Carbon dioxide (CO_2), IAQ sensor
- Auto Background calibration for CO_2 sensor
- Background calibration by b-CAL plug for CO_2 sensor in local
- High-precision for IAQ sensor
- Dedicated design for smart VAV actuator
- Quickly installation with Pluggable terminal & RJ11 connection

MODEL SELECTION TABLE

MODEL / TYPE	TEMPERATURE	HUMIDITY	CARBON DIOXIDE	COMMUNICATION	ON/OFF
NEVR	Yes	-	-	-	Yes
NEVR-H	Yes	Yes	-	MODBUS RTU	Yes
NEVR-IAQ	Yes	Yes	Yes	MODBUS RTU	Yes

DIMENSION (mm)

TECHNICAL SPECIFICATION

MODEL	NEVR
MCU	32 bit CPU (MCU) with memory
DIMENSION	90mm(W)*90mm(H)*36mm(D)
WEIGHT	NEVR (122g), NEVR-H (122g), NEVR-IAQ (130g)
BUTTON	ON-OFF switch & UP DOWN setting
COMMUNICATION	MODBUS RTU RS-485 loop, speed to 9600 BPS, 30m
OPERATING	0°C...50°C, 20...90%RH, non condensing
POWER SUPPLY	12 VDC, 1VA
DISPLAY	61.5*39.6mm LCD with backlight
TEMPERATURE SENSOR	
NEVR	10KΩ @25°C (NTC) Thermistor, 0°C...50°C, ±0.3°C
NEVR-H	10KΩ @25°C (NTC) Thermistor, 0°C...50°C, ±0.3°C
NEVR-IAQ	CMOS, 0°C...50°C, ±0.2°C
HUMIDITY SENSOR	CMOS, 0...100%RH, ±2%RH
CARBON DIOXIDE	Non-dispersive infrared (NDIR), 400...2000ppm, ±30ppm+3% of reading ABC (Automatic Baseline Correction) & bCAL (background calibration)
HOUSING	ABS+PC, IP30
CERTIFICATION	CE(EMC Directive 2004/108/EC)

WIRING & INSTALLATION
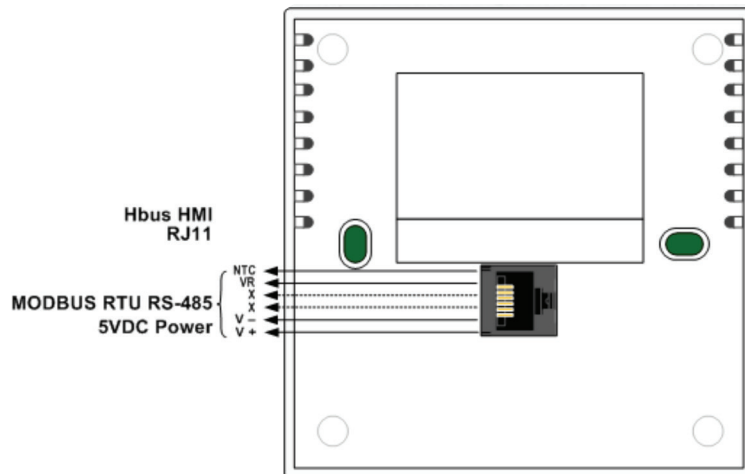
1. NEVR series designed for signal connection.

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, separate the panel of this product from the base.

5. After fixing the base, insert the RJ11 dedicated 6-wire cable and fasten it, and then cover the panel to complete the installation.