

OverView

The **TxTH91-XP** Sensors specialized in monitoring and controlling temperature and humidity levels within indoor environments. With a contemporary design, they can be easily mounted on walls or standard wall boxes. Optional color displays with durable glass fronts are available, and they support communication via Modbus or BACnet protocols.

Features

- Integration compatibility with BACnet MS/TP or Modbus RS485 RTU systems.
- Optional 2.4" color LCD screen for displaying measurements.
- Configuration via Device Configuration Tool.
- Software (Windows) or iOS App (Bluetooth).
- Available in white and black options.
- Customizable user display language with language packs.
- Temperature and humidity room sensors for monitoring

Applications

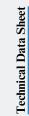
- Office buildings
- Hospitals and healthcare facilities
- Laboratories
- Data centers
- Greenhouses

TxTH91-XP

Room Humidity and Temperature Sensor

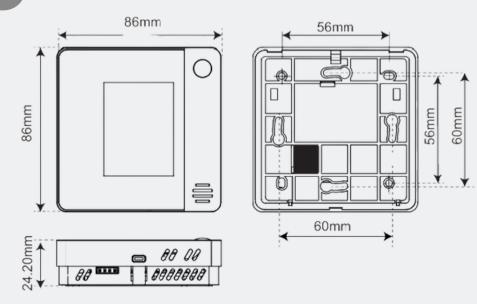






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Dimensions



Installation Guidelines

1-Refer to the diagram below for opening the enclosure to access mounting holes and wiring terminals.

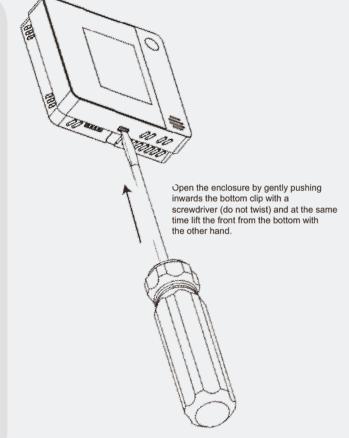
2-Place sensors away from heat and cold sources, such as direct sunlight or exterior walls.

3-Optimal performance is achieved when sensors are installed at a height of 150-120 cm.

4-Ensure cable entries and junction boxes are sealed to prevent air flows, which can cause temperature measurement inaccuracies.

5-Use the dedicated hole (black area) marked on the dimensions drawing for cable entry.

6-If surface-mounted cable is needed, the top center of the enclosure has a thin wall section that can be cut.



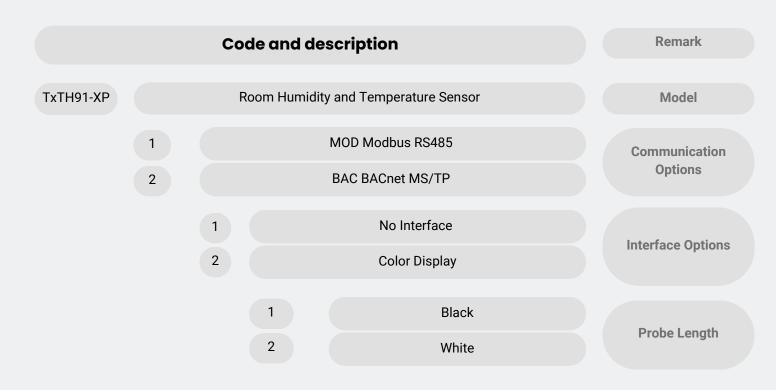


Specifications:	Room Humidity and Temperature Sensor			
Power supply	24Vac/dc -10%/+15%, max 80mA with display			
Measurements	Temperature	Range	0~50°C(32~122°F)	
		Accuracy	+/-0.5°C	
	Humidity	Range	0100%rh	
		Accuracy	+/-2%rH (within 20 to 80%rH)	
Communication	Physical Interface		1 x RS485 driver, recommended max 63 devices	
	Protocol		Modbus RTU or BACnet MS/TP (order relevant model)	
	Addressing		Via Software: 1247 for Modbus, 1127 for BACnet MS/TP	
	Settings		Baud Rate: 9600/19200/38400/57600/76800/115200 (software) Modbus Parity: None/Even/Odd, Modbus Stop Bits: 1 or 2 (Default: 9600/None/1)	
Mechanical	Wiring Terminals		Rising Cage Screw Terminals, 0.2 to 2.5mm2 / 26 to 12 AWG	
	Enclosure		ABS ULV0 Plastics - White or Black	
	Mounting		Wall or Junction Box Mounting (60mm screw distance)	
	Dimensions		W86 x H86 x D24mm	
Display	LCD Option		Optional 2.4" Full Colour Display with Glass Overlay, 240 x 320px	





Selection Code:



Despite all attempts to guarantee accuracy in this specification, NeoWave cannot be held liable for any damage injury, loss, or expense due to errors or omissions. Product specification and design might change without prior notice in pursuit of technical enhancements.

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For technical support please contact: support@neowave.tech