

## Types

SB-MTS04.20

### Features

SB-MTS04.20 4 Zone Temperature Sensor is a accessory for home automation system, could be used for detecting temperature for different area.

- 4 Zone temperature detecting.
- Option HDL Thermistor or custom Thermistor for each zone, But you need set few point in custom indexing table if use custom Thermistor
- Communication interface: HDL-BUS
- Upgrade firmware from Bus
- Detecting scope of temp. from  $-20^{\circ}\text{C}$  to  $70^{\circ}\text{C}$

### Important Notes

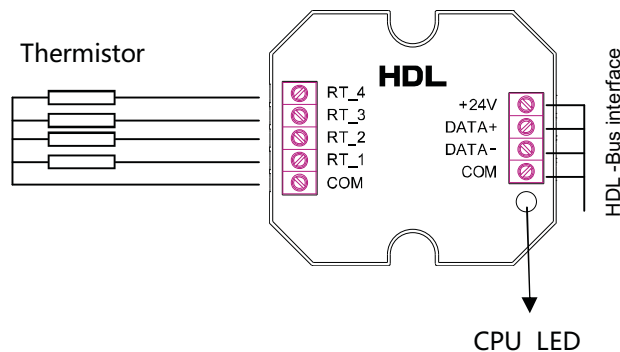
- **Bus cable** - CAT5E or HDL Bus /KNX cable
- **Bus Connection** - Recommend connection of Bus wire hand by hand
- **Check Connections** – Re-tighten all connections after installation.
- **Custom Thermistor** - 2-40k @  $25^{\circ}\text{C}$
- **Wiring** - the thermistor limited in 2.5m

### Installation Steps

- Put the thermistor into right place and fixing
- Connect the wire of thermistor to Back Box
- The device is installed in Back Box
- Make sure the Bus cable type is correct and has no circuit short
- Connect bus cables. Make sure the color of wire same as definition

### Product Specifications

- Bus Power Supply : DC24V
- Bus Power Consumption : 9mA/DC24V
- Temp. Detect Scope :  $-20^{\circ}\text{C}$ ~ $70^{\circ}\text{C}$
- Thermistor working Temp.  $-30^{\circ}\text{C}$ ~ $100^{\circ}\text{C}$
- Dimension : 44mm×39 mm×12mm
- CE approved
- Working Temperature:  $0^{\circ}\text{C}$  ~  $+45^{\circ}\text{C}$
- Working Relative Humidity: 20% - 90%
- Storage Temperature:  $-40^{\circ}\text{C}$ -  $+55^{\circ}\text{C}$
- Storage Relative Humidity: 10% - 93%
- IP Protection : IP20



### HDL-Bus Definition for cable

CAT5/CAT5E	Bus	HDL Bus/KNX Cable
Brown White/ Orange White	COM	Black
Blue White /Green White	DATA-	White
Blue/Green	DATA+	Yellow
Brown/ Orange	DC24V	Red



### Safety Attention

- The tightening torque do not exceed 0.1Nm,
- Do not make wrong connection on Bus interface, it will damage this device.
- Avoid the rain or water into module, it will damage this devices
- Do not get AC220V voltage into Bus wire and thermistor wire, it will damage all of devices in system
- Do not put thermistor sensor into those corrosive environment, like acidic, alkaline, saline etc..