Parameters

Electric Parameters:	
BUS power supply	DC24V
BUS power consumption	9mA/DC24V
Temp detect scope	-20℃~70℃
Thermistor working Temp	-30℃~100℃
Environmental Conditions:	
Working temperature	0℃~45℃
Working relative humidity	Up to 90%
Storage temperature	-20℃~+60℃
Storage relative humidity	Up to 93%
Approved	
CE	
RoHS	
Production Information :	
Dimensions	45×40×13(mm)
Weight	64.5(g)
Housing material	ABS
Installation	86×86 back box, screw install
Protection degree	IP20

Important Notes

- Bus cable — CAT5E or HDL Bus/KNX cable
- Bus Connection — Series connection (hand-in-hand)
- Check Connection — Re-tighten all connections after installation
- Custom Thermistor — 2-40k/25℃
- Wiring—The thermistor limited in 2.5m
- Installation—Indoor and ceiling-mount

Overview

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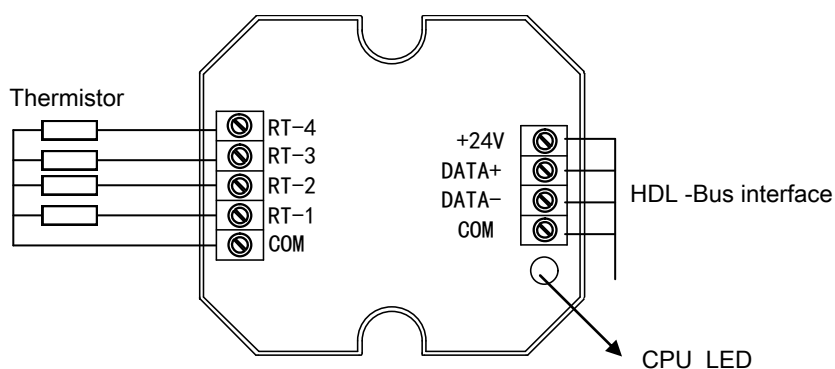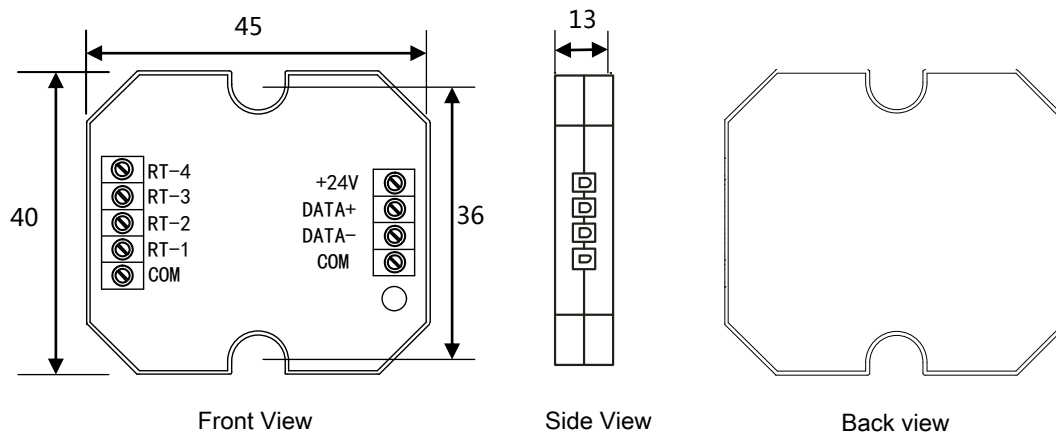
Functions

- 4-Zone temperature detecting.
- Option HDL Thermistor or custom thermistor for each zone. If you use custom thermistor, you need to set few point in custom indexing table.
- Communication interface: HDL-BUS.
- Upgrade firmware by HDL-BUS.
- Detecting range of temp. from –20℃ to 70℃.
- Supports upgrade from HDL-BUS.

HDL-Bus Definition for Cable

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

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Dimensions and Wiring

45

13

40

RT-4
RT-3
RT-2
RT-1
COM

+24V
DATA+
DATA-
COM

36

Front View

Side View

Back view

Thermistor

RT-4
RT-3
RT-2
RT-1
COM

+24V
DATA+
DATA-
COM

HDL -Bus interface

CPU LED

Safety attention ⚠ WARNING

- The screw down strength should not exceed 0.1Nm
- Do not make wrong connection on Bus interface, it will damage the Bus interface of this module
- Do not get AC power into Bus wire , it will damage all devices in the system
- Avoid contact with liquids and corrosive gases

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