

Zentro Sense

Safety and Quick Start · For the installer and the panel builder

Part number ZN-SENSE-001 · Document number ZT-QS-SENSE-001-EN

This document is supplied with the product. Retain it for future reference.

SAFETY

- WARNING**

Disconnect the supply before any wiring work. Working on a live circuit risks personal injury and irreversible damage to the unit.
- CAUTION**

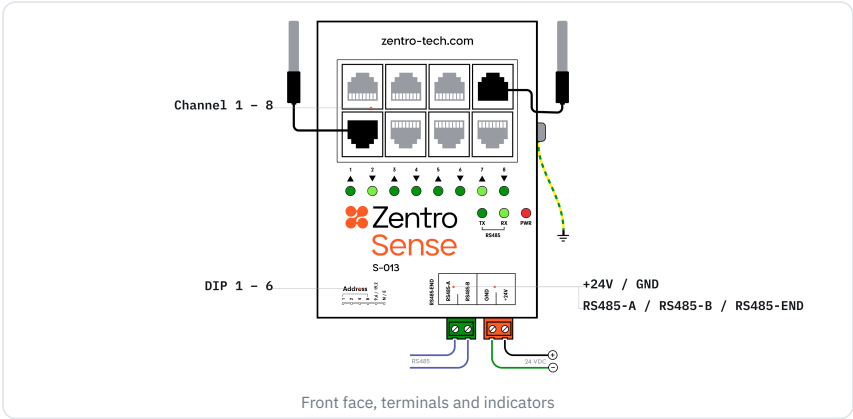
A line terminator fitted at more than two points will load the line and degrade communication.
- NOTE**

Add external protection to every inductive load — an RC circuit, a varistor or a diode.

OPERATING LIMITS

Supply voltage	5 – 24 V DC (SELV)
Operating temperature	–25 ... +75 °C
Ingress protection	IP 20

TERMINALS AND CONNECTORS



Channel 1 – 8	RJ45 connectors for temperature sensors, one sensor per channel
RS485-A / RS485-B / RS485-END	Modbus RTU serial line
+24V / GND	Supply, 5 – 24 V DC
Earth terminal	Earthing via tooth washer and screw
DIP 1 – 6	Modbus address, bit rate and parity

FIRST POWER-UP

1. Attach the DIN rail holder to the rear of the module with screws.

2. Set the communication parameters on the DIP switches before installation.

3. Clip the module onto the DIN rail in the vertical position.

4. Connect earthing using a tooth washer and screw.
5. Connect the temperature sensors to the RJ45 connectors — one sensor per channel only.

6. Connect the RS-485 line to the green pluggable terminal.

7. Connect the supply to the orange pluggable terminal.

8. After changing the DIP switch settings, disconnect and reconnect the supply to apply them.



The product's full document set is available on the website. zentro-tech.com