

# Sentia Remote Device

## STRATA-L102

The **STRATA-L102** is a versatile remote control unit designed for environmental monitoring and equipment door control in applications such as data centers and technical rooms. It operates as a subordinate device to the **STRATA-L101 Sentia Manager**, communicating via an RS-485 bus with a configurable data rate.



The device supports the connection of various sensors and peripherals, including temperature and humidity sensors, a smoke detector, card readers, and sensors for door and lock status monitoring. Configuration is performed through an integrated Wi-Fi access point, which can be accessed using any standard web browser, such as Chrome.

### Key Features

- RS-485 communication with configurable baud rate
  - 12 VDC power supply
  - Low power consumption: 60 mA typical
  - Supports up to 3 **STRATA-B401** temperature sensors via RJ11
  - Dedicated RJ11 input for **STRATA-B402** humidity sensor
  - Digital input for smoke detector
  - Control of two independent doors, including:
    - Monitoring of lock and door status
    - Configurable command outputs: dry contact or voltage output
  - Support for two card readers (one per door), compatible with:
    - Wiegand
    - Abatrack
    - Other industry-standard protocols
  - Support for IDS/MPL door sensor and card reader
  - Integrated Wi-Fi access point for browser-based configuration (e.g., Chrome)
  - Operating temperature range: 0 °C to 55 °C
  - DIN rail mounting (integrated bracket)
  - Compact and rugged enclosure
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Technical Specifications

COMMUNICATION INTERFACE	RS-485 (configurable speed)
POWER SUPPLY	12 VDC
TYPICAL POWER CONSUMPTION	60 mA
TEMPERATURE SENSORS	Up to 3 × STRATA-B401 via RJ11
HUMIDITY SENSOR	1 × STRATA-B402 via RJ11
SMOKE DETECTOR INPUT	1 × Digital input
CARD READER INTERFACES	2 × (Wiegand/Abatrack/IDS/MPL)
DOOR MONITORING INPUTS	2 × Digital Inputs (door status)
LOCK MONITORING INPUTS	2 × Digital Inputs (lock status)
DOOR CONTROL OUTPUTS	2 × Outputs (relay or transistor)
CONFIGURATION INTERFACE	Wi-Fi Access Point + Web UI
OPERATING TEMPERATURE RANGE	0 °C to 55 °C
WEIGHT	120g
ENCLOSURE DIMENSIONS	144 mm × 88 mm × 40 mm
INSTALLATION	Surface mount or DIN rail