

Settler

Remote Monitoring Device

Datasheet



Settler is a versatile remote monitoring gateway designed for seamless sensor data acquisition via Modbus RS485 and 4-20mA inputs. It supports up to four 4-20mA sensors and multiple Modbus sensors. Collected data is encrypted and securely transmitted to APG's cloud-based monitoring platform, Explorer, using MQTT with AES (Advanced Encryption Standard). With Ethernet connectivity, Settler ensures reliable communication and robust data security, making it ideal for remote monitoring and control applications across various environments.

Features

- Real-time data acquisition via 4-20mA and Modbus RS485 inputs.
- Secure communication with MQTT with AES (Advanced Encryption Standard).
- Ethernet support for reliable network connectivity.
- Compact and versatile design suitable for industrial environments.
- OTA (Over-the-Air) updates for remote firmware management.

SPECIFICATIONS

Applications

Industrial Automation
Remote Monitoring
IoT Deployments
Smart Agriculture

Environmental

- **Operating Temperature**
-20° to 85°C (-4° to 185°F)
- **Humidity**
5% to 95% non-condensing
- **Ingress Protection**
IP40

Electrical

- **Power Supply**
5 to 32 VDC
10 mA at 24V

Connectivity

- **Input / Output**
Modbus RS485 input
4x 4-20mA analog inputs
(active loop power provided)
- **Protocols & Security**
MQTT with AES encryption (End-to-End)
Over-the-Air (OTA) Firmware Updates:
Enabled
- **Communication Interfaces**
10/100 Mbps Ethernet port
- **LED Indicators**
Power Indicator
Communication Status Indicator
Error Status Indicator

Physical

- **External Dimensions**
Length: 124.3 mm
Height: 35.0 mm
Depth: 67.3 mm
- **Mounting Option**
Flanges allowing DIN rail mounting

DIMENSIONS

