

Fire Alarm System

Alarm Transmission Equipment



SC-ATE-M-I8-GSM-EM

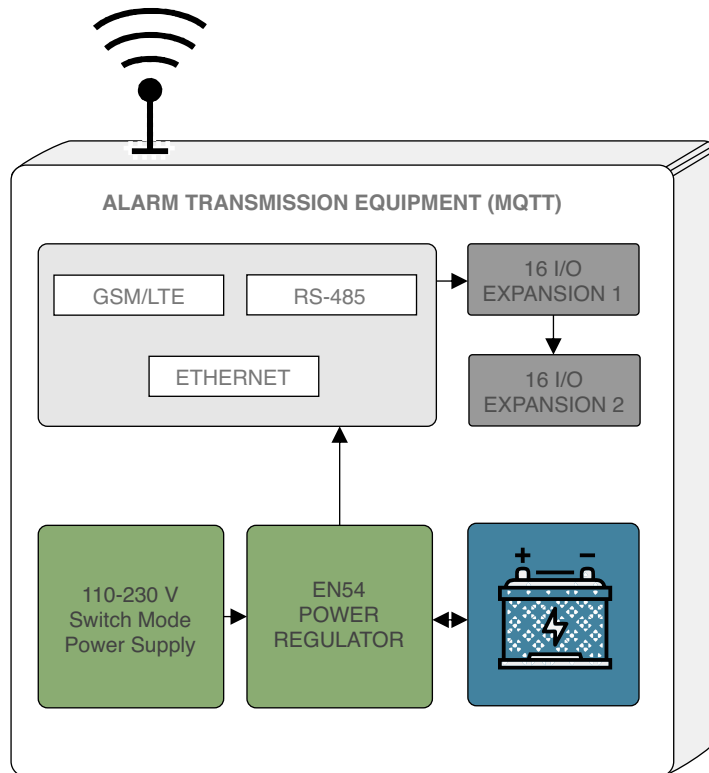
SENSOPER ATE series are advanced, alarm transmission equipment panels in full conformance with the requirements of EN54.

The equipment is ready to facilitate modern communication requirements, with a GSM/LTE modem along with Ethernet interface for added redundancy. The built-in OLED Display simplify's the system's diagnosis and installation process.

The benefits of SENSOPER Panels are they support both OFFLINE and ONLINE Remote configurations and the built-in 12V single battery backup.

Highlights

- 8 Failsafe detection circuits
- Built-in OLED Display for easy operation
- 2 Programmable outputs
- MODBUS RTU over RS-485
- GSM/LTE 4G Connectivity
- Ethernet/IP Connectivity
- Built-in local emergency input
- Built-in backup power supply 12V



Ordering Information

P/N	Input Circuits	GSM/LTE	Ethernet	RS-485 Modbus	BACnet/IP
SC-ATE-M-I8-GSM-EM	8	Yes	Yes	Yes	-

Main

Range of product	SC-ATE
Product type	Alarm Transmission Equipment Panel
Rated supply voltage	110V AC ~ 250V AC
Rated Fuse Rating	0.5 A Slow blow
Discrete input number	8 Fail Safe Inputs
Discrete output number	2 Relay Outputs
Transmission Communication	GSM/LTE Modem Ethernet/IP
Expandable	Yes

Input Channels

Supply Output Voltage at Inputs	12V DC
Alarm Resistor on the control input circuit	470 Ω +/- 5%
Terminating resistor on the control input circuit	4.7 k Ω +/- 5%
Connection type	2 - wire
Maximum Recommended Cable Length	200 meters
Number of programmable control inputs	8
Response Time	100 ms
Max Configurable de-bounce time	0 - 600 seconds
Maximum detection current of the detection circuit	10 mA
Maximum current in the circuit during an alarm	40 mA
Current limiting level of the detection circuit	54 mA
Maximum voltage on the transmission path	12V DC

Output Channels

Output Channel type	Single Pole Relay
Electrical Parameters of relay outputs	5A, 250VAC/30 VDC (resistive)
User Configurable	YES

Local Communication

Electrical Standard	EIA-485
Supported Protocol	MODBUS-RTU
Number of Slaves	32
Supported Baud Rates	9600 bps to 115200 bps
End of Line Termination	YES / 120 Ω

GSM/LTE Communication

Supported Bands	TDD-LTE B38/B40/B41 4G-LTE B1/B3/B5/B7/B8/B20 WCDMA/HSDPA/HSPA+ B1/B5/B8 GSM/GPRS/EDGE 900/1800 MHz
Data Transfer Specifications	LTE CAT1 / HSPA+ / UMTS / EDGE Class / GPRS
Messaging	SMS Supported
Embedded Encryption	SSL3.0/TLS1.0/TLS1.2
Antenna Connector Type	SMA / Brass Body / Gold Plated

MQTT Support

MQTT Versions Supported	MQTT v3.1.0 / MQTT v3.1.1
Security	TLS 1.0, TLS 1.1 and TLS 1.2
Actions	Publish / Subscribe
Number of Topics	256
Maximum Transmission Delay	100 ms
Quality of Service	-1 / 0 / 1 / 2
Messaging Format	CSV / JSON

Diagnosis Features

Events Captured	Power Failure/Status Battery Failure/Status Modem Failure/Status Ethernet Failure/Status MQTT Communication Timeout Tamper Detect Expansion Communication Status
Internal Event Log	1000 Events
Event Reporting over MQTT	Available
Remote Device Management	Available
On-board indicators	System Health GSM Modem Status GSM Connection Status Modbus Communication Status Input Fault Status Output Status Main Power Status Battery Power Status
Software security	User Access Levels Password Protection

Battery Backup

Internal Acid Battery	12V 6.2Ah
Maximum charging current of the battery	1A
Maximum internal apparent resistance of the battery	2 Ω
Battery Protection	Continuous Voltage monitoring Temperature Controlled Charging Lead-Acid Battery Charger with Absorb and Equalize Dead Battery Start up Discharged or Missing Battery Detection
Local signalling	Battery Fault LED Indicator

Mechanical

Electrical Connection	Screw terminal block pitch 5.08mm
Mounting support	Wall mount
Height	263 mm
Width	182 mm
Depth	60 mm
Product Weight	2600 g



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