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RELIABLE SECURE
CONNECTIVITY

XSM5201 Series
SNMP Monitoring and Security Module

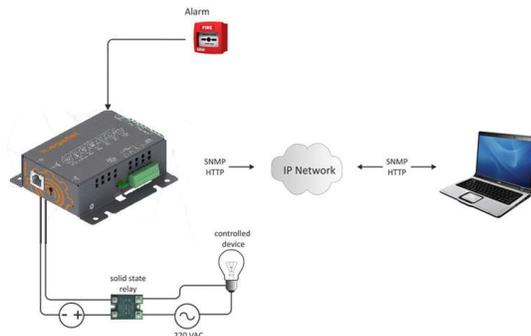# XSM5201 Series
SNMP Monitoring and Security Module

FEATURE HIGHLIGHTS

- AC mains voltage monitoring.
- DC power supply voltage monitoring.
- Local WEB server for control and monitoring.
- SNMP-V2 protocol for monitoring.
- 3 inputs for dry contact sensors.
- 1 input for digital sensor.
- Temperature monitoring (integrated sensor).
- Relative humidity monitoring (integrated sensor).
- Programmable dry contact output for up to 5A.
- Possibility of sending alerts and status via email and
- Telegram, in conjunction with SNMP manager softwa
- Easy installation.

Applications

- Critical Power Load.
- Telecommunication Networks.
- Data Centers.
- Renewable energy systems.
- Alarm Systems.

PRODUCT DESCRIPTION

XSM5201 is a monitoring and security module developed with the aim of providing accurate information through the Web server and SNMP-V2 protocol. Its versatility is one of its highlights, allowing seamless integration with a variety of leading market management software, such as Zabbix, Grafana, LibreNMS, The Dude, among other systems.

Its broad applicability is an advantage, covering critical environments such as POPs, Data Centers, Racks, and telecom towers, as well as other locations requiring real time monitoring.

The product offers an additional feature of equipment control through a relay output. This output allows manual or automatic activation of connected devices.

XSM5201 features three dry contact sensors and a digital input, adding flexibility to the device and allowing it to be used in various ways. It can function as a smoke sensor, door sensor, magnetic sensor, presence sensor, battery sensor, and other possibilities.

PRODUCT SPECIFICATIONS

Input Characteristics	
Input Power Supply Voltage	10 – 60 VDC
Input Connection	RJ45 PoE 802.3af Connector Terminal Block Connector for up to 1.5mm2 wire

Sensor Characteristics	
AC Voltage Sensor	60 – 270 VAC Terminal Block Connector for wire up to 1.5mm2
DC Voltage Sensor	10 – 60 VDC Terminal Block Connector for wire up to 1.5mm2 (same connector as the power input)
Dry Contact Inputs	0 - 60 VDC
Temperature Sensor	-20°C to 65°C, Integrated Sensor
Humidity Sensor	0% to 100% RH, Integrated Sensor
Digital Input	0 - 60 VDC (Voltage above 5 VDC refers to logic level 1)
Relay	0V - 250 VAC to 5 A Terminal block connector for wire up to 1.5mm2

Management Interface	
Ethernet Interface	10/100 RJ45 Ethernet port
Supported Protocols	TCP/IP – SNMP V2
Firmware Updates	Remote Update Management Interface
Relay Output	Voltage, temperature, humidity, dry contact inputs, digital input alarms.
Monitoring	AC voltage, DC voltage, temperature, humidity, dry contact inputs, digital input, automation relay status measurement. Allows customization of the name of each sensor, making it easier to identify connected devices.
Commands	Allows remote On/Off relay command sending.
Scheduling	Allows configuring up to 10 scheduling for relay activation, which can be programmed with time and day of the week accuracy.
Manually Restore Factory Settings	The command is executed through a button located on the front panel. When pressed, it is possible to restore network settings to factory values.

General Specifications	
AC Input to Earth Isolation	1000VAC
DC Input to Earth Isolation	1000VAC
Relay Contacts to Earth Isolation	1000VAC
Operating Temperature	-10°C to 60°C
Operating Humidity	10% to 90% RH (non-condensing)
Device Power On Indicator (Green LED)	Device Power On
Relay Activation Indicator (Green LED)	Relay Activated
MTBF (Mean Time Between Failures)	120,000 hours
Installation Mode	Rack or Panel Mounting
Dimensions (H x W x D) / Weight	34 x 110 x 113 mm / 0.297 kg

ORDERING INFORMATION

Model	Technology	Ethernet	AI	DI	Temp. Sensor	Humidity Sensor	AO
XSM5201	SNMP-V2	1	3	1	1	1	1

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WHO WE ARE

Built on 20 years of experience in designing and manufacturing industrial networking products, **Agatel** was established from the UK to serve the infrastructure and industrial sectors in EMEA markets with reliable connectivity for mission-critical systems in demanding environments.

Experienced in hardware and software design and integration, we produce high-quality yet cost-effective industrial networking and communication products with great customization capabilities and robust implementations, equipping our customers for reliable secure industrial networks.

WHAT WE OFFER

The needs of our customers' industry are different from those of corporate IT environments – industrial operating environments are tough and the impact of failure in the field can lead to business threatening situations, hence our products will have lifetimes in excess of 20 years.

From entry-level to high-performance industry-certified hardware, **Agatel** offers a full solution spectrum to suit our customers' budgets and application requirements, with features such as industrial-grade reliability, integrated security, network redundancy, and advanced performance.

Our product solution profile includes industrial Ethernet switches, network time servers, media converters, industrial wireless devices, and serial device servers, covering a wide array of mission-critical applications such as automation, security, transport, water, oil and gas, and power grids.

WHY CHOOSE US

We help our customers reduce downtime and operational costs of their industrial applications in harsh environments. Leading system integrators in EMEA rely on our niche technical expertise and product quality to increase their applications' robustness, revenues, and competitive differentiation.

Agatel ruggedized high-quality solutions are designed to deliver zero-network-downtime for harsh project demands, allowing for reliable connectivity to keep people and assets safe and secure in harsh and hazardous environments, and allowing customers to focus on growing their business.