



SENSOLIST



## SENSOLIST PSIM/12I308TH

### Description

The monitor rack is an intelligent control and monitoring device for data centers and server rooms. It is responsible for monitoring various sensors such as temperature and humidity, smoke and heat, water leakage, and controlling inputs and outputs such as sirens, flashers, rack door magnets, PIR, rack door locks, etc.

Due to supporting various communication protocols such as Modbus / RTU, Modbus / TCP, SNMP, there is the ability to integrate and monitor with SENSOLIST PSIM software and all common software such as SolarWinds PRTG and OpManager, etc.

This device has a built-in bilingual web server through which it defines all the inputs-outputs and the status of various control scenarios.

Another feature of this product is that it is a rack mount, making its installation very fast and easy.




### Features

- Ethernet port for software monitoring
- RS-485 port matches Master / Slave mode
- Supports 32 devices with Modbus / RTU protocol
- Has RTC (Real-Time Clock) with a backup battery
- Electrical protection of device inputs against overvoltage
- Microcontroller architecture based on ARM-Cortex M4 chips
- Ability to define scenarios and performance without the need for an operator
- Ability to create scenarios to limit voltage, current and apply control scenarios
- Configuration without the need for desktop software and through the internal webserver
- Ability to connect to SENSOLIST-GSM2S2TH module to use the notification capabilities via SMS
- Ability to monitor rack environmental conditions (temperature, humidity, door magnet, water leakage, movement, fire alarm detector, vibration and shock, rack door lock status, audible and visual alarms, etc.)




# Technical Specification


| General                   |   |   |
|---------------------------|---|---|
| Power Supply              | 24V                                       | ✓ |
| PoE Support               | 24V                                       | ✓ |
| Processor                 | ARM processor with encryption accelerator | ✓ |
| Memory                    | -   | ● |
| Operating System          | Embedded RTOS                             | ✓ |
| Master Protocols          | Modbus (RTU/TCP)                          | ✓ |
| Slave Protocol            | Modbus                                    | ✓ |
| Power Metering            | -   | ● |
| Multi Language Web Server | English                                   | ✓ |
| Earth fault detection     | -   | ● |
| Channels                  |   |   |
| Communication Channels    | 2 RS-485                                  | ✓ |
|                           | Ethernet RJ45 (10/100)                    | ✓ |
|                           | GSM Module (2SIM)                         | ● |
| SNMP                      | Agent Ver 1, 2C, 3, Trap                  | ✓ |
| Physical                  |   |   |
| Packaging                 | Rack Mounted                              | ✓ |
|                           | Wall Mounted                              | ● |
|                           | DIN-rail Mounts                           | ● |
| Environmental             | -40°C to +70°C, %95-5 RH                  | ✓ |
| Port                      |   |   |
| Digital Input             | 12 input Dry contact                      | ✓ |
| Digital Output            | 3 Relay 7A 220V                           | ✓ |
| Transistor Output         | 2 TR                                      | ✓ |
| 1-Wire Sensors            | 8 Temp & Hum                              | ✓ |




INPUT Dry contact




Rack Mount




ARM CORTEX M4




WEB Interface




RS-485




1-WIRE UNI




OUTPUT Transistor




ASCII/RTU




SNMP Protocol



LAN



Buffer/Data Logger



GSM Module

