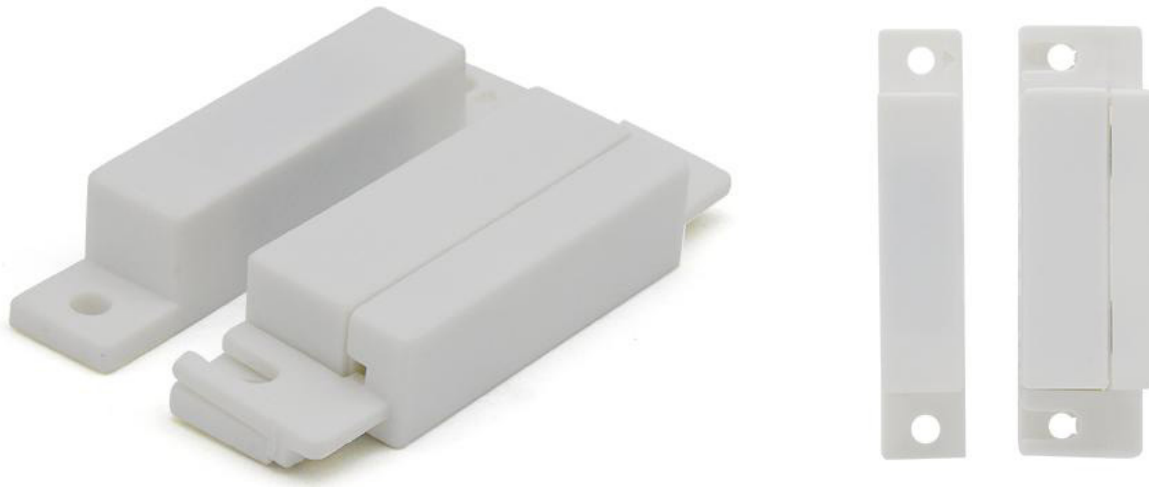Giganet Door contact is a small type accessory , specialized developing to monitor door status,which composites of two parts. The first part has leads, installed on stable door with controller, the second part has different magnetic polarity of the first part without leads, installing on the movable windows and aligning with the first part.

Specifications

Technical parameters	
Voltage	12V
Running current	< 15mA
Static current	3mA
Running frequency	315MHz
Frequency deviation	±0.2MHz
Power	>15mw
Distance	>100m
Time	1.5S-3S
Magnetic valid distance	Pull in-15mm ; release-30mm
Act distance	30mm

Power specification	
Input power(DC)	12V
Running current	< 15mA

Environment		
Running Environment	Temp	0° C-70° C
	Relative humidity	10% ~ 85%

Ordering Information

Part Number	Description
GN-RC-77434	Giganet Door Contact Sensor

Accessories

Name	Quantity	Unit
Door Contact	1	Pair
Certificate	1	Piece
Screws	4	Piece

Giganet 12VDC Power Supply is a 35W single-output enclosed type power supply with 30mm of low profile design. Adopting the full range 85~264VAC input provides an output voltage line of 12V. In addition to the high efficiency of up to 89%, the design of metallic mesh case enhances the heat dissipation of LRS-35 that the whole series operates from -30°C through 70°C under air convection without a fan. Delivering an extremely low no-load power consumption (less than 0.2W), it allows the end system to easily meet the worldwide energy requirement. It has complete protection functions and 5G anti-vibration capability

FEATURES
Universal AC input /full range
Withstand 300VAC surge input for 5s
No load power consumption<0.2W
Miniature size and 1U low profile
High operating temperature up to 70° C
Protections: Short circuit/overload/over voltage
Cooling by free air convection
Compliance to IEC/EN 60335-1for household appliances
Operating altitude up to 5000 meters
Withstand 5G vibration test
High efficiency, long life and high reliability
LED indicator for power on

Technical parameters

OUTPUT	DC Voltage	12V
	Rated Current	3A
	Current Range	0-3A
	Ripple&Noise(max)	120mVp-p
	Voltage ADJ.Range	10.2-13.8V
	Voltage Regulation	1%
	Line Regulation	0.5%
	Load Regulation	0.5%
	Setup,Rise Time	1000ms, 30ms/230VAC 2000msm30ms/115VAC at a full load
INPUT	Hold Up Time	30ms/230VAC 12ms/115VAC
	Voltage Range	85-264VAC 120-373VDC
	Frequency Range	47-63Hz
	Efficiency	86%
	AC Current	0.7A/115VAC 0.42A/230VAC
	Inrush Current Cold Start	45A/230VAC
	Leakage Current	0.75mA/240VAC
Protection	Over Load	110-150% rated output power
		Protection type: hiccup mode, recovers automatically after fault condition is removed
	Over Voltage	13.8-16.3V
		Protection type: Shut down o/p voltage, re-power on to recover

Ordering Information

Part Number	Description
GN-SEN-77433	Giganet 12VDC Power Supply

Giganet Hydrogen detector collects and transfers data via non-standard or Modbus protocol. The intelligent transmitter nodes collect and transfer spot gas density, the host detects all nodes. Working with intelligent monitoring system, it can real-time monitor gas density changes. Using bus mechanism, it is easy to install and connect wires with strong anti-interference ability. Meantime, the intelligent transmitter also provides controllable external devices (exhausting fan and electromagnetic valve) The detector detects the gas concentration in a natural diffusion manner. The imported sensor has good sensitivity and excellent repeatability. The instrument uses embedded micro-control technology with high reliability.It is suitable for detecting the concentration of toxic, harmful, flammable and explosive gases in the ambient air. It is widely used in metallurgy, power plants, chemical industry, mines, tunnels, tunnels, underground pipelines and other places, effectively preventing accidents.

Technical parameters	
Size	144mm×190mm×74mm
Weight	1130g
Type	Electrochemical formula
Detect gas	Oxygen, flammable, toxic gas
Response time	Oxygen≤30s,CO≤40s,toxic gas≤20s
Working time	Continuous
Working time	DC 24V
Output signal	485
Output ways	Four lines system(power×2,signal×2)
Temp range	-20°C to 50°C
Humid range	15% to 90% (RH) No condense
Anti-explosion certificate	CE10 1084
Anti-explosion	Exd II CT6
Size	Connection Four lines connection mechanism
Cable	Two two-core shielded cables or one four-core shielded cable
Distance	Less than 1000m

Ordering Information

Part Number	Description
GN-GFGS	Giganet Flammable Gas Sensor

Giganet RTH-Rxx is a specialized "all-powerful" remote controller with self-learning functions for common air conditioning to realize remote monitoring. It comes with various functions like RS485 communication port, temperature & humidity acquisition, and self-learning. The monitoring system can complement various operations such as acquire temperature & humidity, realize remote on/off and set temperature & operation mode by learning controlling command of the original controller, thus, to realize remote monitoring and control of common air conditioning. RTH-Rxx is applicable to the common air conditioning of any brand and other infrared remote control devices.

FEATURES
Adopts self-learning principle and intelligent coding analysis technology to realize monitor and control for any brand of common air conditioning
Integrated design of temperature & humidity acquisition and remote control of air conditioning which is at low cost and high reliability.
Provide ultra large-sized LCD display that is visually displayed and simply operated.
64 self-learning commands to learn various setting commands of air conditioning's temperature, operation mode, airspeed,wind-sweeper, etc.
Realize automatically reboot for power on air conditioning and guarantee the recovery of operation mode before power disconnection.

Ordering Information

Part Number	Description
GN-SEN-77404	Giganet Infrared & Intelligent Remote Controller for Air Conditioning

Giganet Infrared sensor is special designed for server room monitoring, with strong signals capturing, low false alarm rate/missing alarm rate, low power consumption, and temperature compensation. Remark: Please study the protection area and choose a appropriate infrared protection area. Don't install the infrared sensor in the sunlight or near the heat source.

Specifications

Technical parameters	
Working Voltage	9-16VDC
Working Current	12mA
Alarm Contacts	NC,0.1A,12V,Normally closed
Tamper Contact	NC,0.1A,12V,Normally closed
Dimension	89×52×39mm
Holder Adjust Level	±25°
Vertical	+5°C -20° C
Filter Characteristic	White light protection, colored lens
Working Temperature	-10° C +50° C

Ordering Information

Part Number	Description
GN-SEN-77147	Giganet Infrared Sensor

Giganet Non-Locating Water Leakage Cable(5M) Detects the presence of water at any point along their length. Installed with the alarm and locating module, the water sensing cable detects water intrusion, triggers an alarm, and pinpoints the location.

Technical parameters	
Material	Conductive polyethylene & alloy wire
Quality	18g/m
Color	Orange
Extension	60kg
Fire-resistant level	Level 2
Diameter	5.5mm
Resistance	3Ω/100m
Exposed max temp	75ºC

Ordering Information

Part Number	Description
GN-SEN-77119	Giganet Non-Locating Water Leakage Cable(5M)

Accessories

Name	Quantity	Unit
Sensor cable	5m	Meter
Fixed Glue	5	Piece

Giganet Utility power supply detection module is a module specially designed for environment monitoring centralized system of data center to acquire state of distribution switch. Every module has 8 channels of 220V AC input and 5V DC output. The main function is to reduce the 22V AC voltage of distribution switch to 5V DC voltage and convert the DC voltage signal to RS485 digital signal via 18053 switching value conversion module , and then supervise the on-off state of the distribution switch by connecting network with computer.

Technical parameters	
Channel	8 channels
Input Range	AC 220VAC@3A±10%
Input Frequency	50Hz/channel
Logic Level 0	Max +1V
Logic Level 1:	+3.5~30V
Isolation Voltage	300V rms
Input Resistance	3K,0.5W
Surge Protection	4.000VAC
Insulation Impedance	1000M/500VDC
Dimension	120*73*34mm
Input	+10~+30VDC
Power	≤2W

Ordering Information

Part Number	Description
GN-SEN-77301	Giganet Smart Electricity Switch Monitor

Giganet Smoke sensor is a kind of alarm equipment in firefighting management and security system. It is of small size but reliable. Smoke sensor combines signal output and fire smoke sensor organically, which makes it easily installed and flexible used. Smoke sensor is suitable for less smoking, non smoking place to detect smoke ion to detect smoke accurately .When the smoke scope exceed the limitation ,the sensor will warn via sound-light alarm and output warning signal to the collector.

FEATURES
The unique design of fashionable and attractive appearance. It is available for different types of installation, such as hanging, ceiling or embedding in the ceiling.
The microprocessor of low power consumption is applied and allows for manual tests and manual reset.
It is with the unique ultrathin structure of dustproof, insect prevention and anti-outside light interference.
Come with sound-light alarm, is suitable for less smoking, a non-smoking place to detect smoke ion to detect smoke accurately
When the smoke scope exceeds the limitation, the sensor will warn via sound-light alarm and an output warning signal to the collector.
Sensor: ionic working .voltage DC12V/24V. Working Current: ESD current<10ua Alarm working current10-20ma.Smoke sensitivity: Accord with u127 criterion. Test value: Smoke sensor reacts to every feet of 3.2% weak ash. Working environment: -5o C +50o C
Realize automatically reboot for power on air conditioning and guarantee the recovery of operation mode before power disconnection.

Technical parameters	
Sensor:	Ionic Working
Operating Voltage:	DC12V/24V
Working Current:	ESD current<10ua Alarm working current10-20ma
Smoke sensitivity:	Accord with u127 criterion test value: Smoke sensor reacts every feet of 3.2% weak ash
Working Environment:	-5º C +50º C
Warning output:	sound-light alarm about signal output at site is connected to alarm host and it shutdown automatically after alarm elimination.
Dimension:	φ107mm×50mm

Ordering Information

Part Number	Description
GN-SEN-77142	Giganet Smoke Sensor

Giganet Sound light alarm module is a normal alarm that can be easily installed on site. It is a security and protection monitoring product whose siren tingles and red light blinks while alarming on site.The users of this product cover various industries like Bank, Government, Postal service, Telecom, Hotel, Building, Factory, shopping mall, villa, ATM, Boundary alarm system and Security service system, and so on.

FEATURES
Long service time and stability, equipped with ultra strong beeper and anti-explosion.
Interior ultra brightness luminotron, clarity in five point, cheap, small, loud and light etc.
High luminance of red alarm light.
Applicable to various alarm and control system and can work with gas detector & alarm with node output.

Specifications

Technical parameters	
Nominal Voltage	DC12V
Rated Current	200mA
Sound Pressure	108dB
Working Temperature	-10 ~ +50^{0}C
Storage Temperature	-40~+60^{0}C
Relative Humidity	20%~90%,no condensation
Heat-Dissipation Method	natural cooling
Altitude	≤3000m
Canning Material	ABS shell of fire fighting & antiflaming
Size of Shell	122×73×42mm

Ordering Information

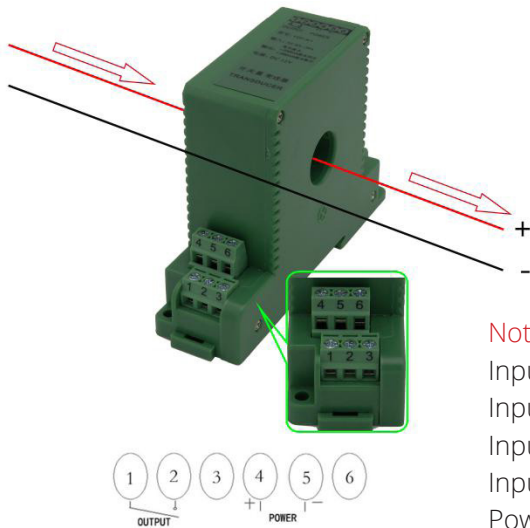| Part Number	Description
GN-SEN-77412	Giganet Sound Light Alarm Sensor

Giganet New Fan Switching Value Transmitter is used for detecting on-off status of air conditioning or new fan , Realization of surveillance for air conditioning's working status by supervising working current of air conditioning and adopting AC transmitter of 0-30A input, 4-20 mA or 0-5V output.
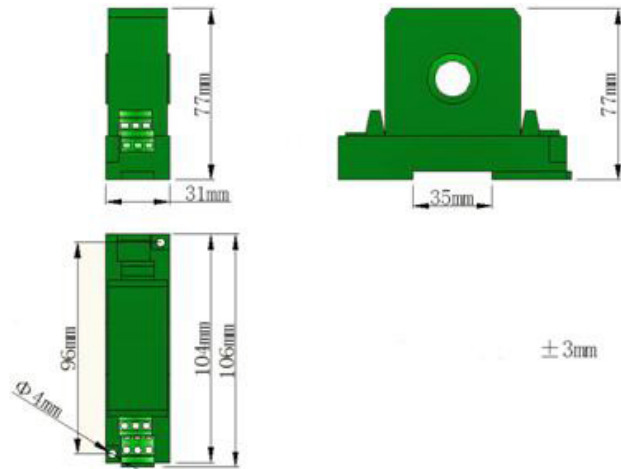
Technical parameters	
Power Frequency With stand Voltage:	1.0kV/1min1mA
Insulation Resistance:	>100MΩ
Power Influence:	DC24V +/- 15%
Inspection Temperature:	23°C
Inspection Humidity:	60%RH

Product Wiring

Note: Only thread the live line through the thread hole, not null line.
Input : AC0A—30A
Input Current ≥230mA,output contact :Close
Input Current ≤200mA, output contact: Off
Input: Constantly on
Power: DC12V

Ordering Information

Part Number	Description
GN-SEN-77754	Giganet Switching Value Transmitter

Giganet Temperature /Humidity (OLED Display) sensor monitors temperature and humidity in your Data Center or Network Cabinet

FEATURES
Integrated digital temp and humid sensor/ single temp sensor. no parity, small size, low power, strong anti-interference;
Standard MODBUS RTU communication port, convenient to compatible with other system for extension;
Built-in reliable watch dog;

Specifications

Technical parameters	
Communication	Protocol MODBUS RTU
Communication	Rate 9600bps
Data Bits	8 bits
Parity	Non
Input Voltage	12V/DC (±5%)
Temperature Measure Range	0º C-70º C
Average Consumption	< 250mW
Safety Certification	CE, FCC

Left yellow LED indicator, receiving light;
Left green LED indicator, sending light;
Right yellow LED indicator, running light
Right green LED indicator, power indicator light.

Ordering Information

Part Number	Description
GN-RC-77015	Giganet Temperature/ Humidity (OLED Display)

Giganet Low-cost water leakage detection equipment, it can cooperate with water leakage detective cable or other detection probe, which through its relay contact output signal can integrate with various kinds of monitoring system to reach remote alarm and remote device control.

Technical parameters	
Detective Cable	Detective cable with 2 cores plus thread
Length of detective cable	Max can connect 500 M detective cable
Plastic cover	White PVC,NEMA1,IP55
Weight	125g(0.27pound)
Sensitivity	2mm-100mm Adjustable Tap water
Respond time	<1 second
Power requirement	12VDC Points of polarity connection
Relay Output	1SPDT,60VDC or 125VAC,1A rated value(normal on /normal closed)

Water Leakage Detection Alarm Module Function
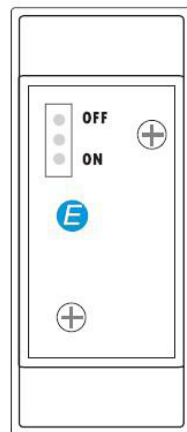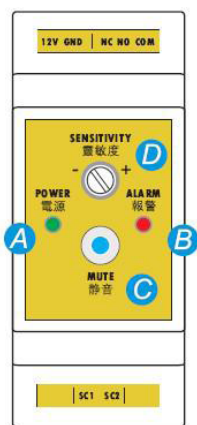
A Power LED(Green)
Show the system power connection status
B Leakage LED(Red)
Show the system to detect leakage
C Mute Button(Red button)
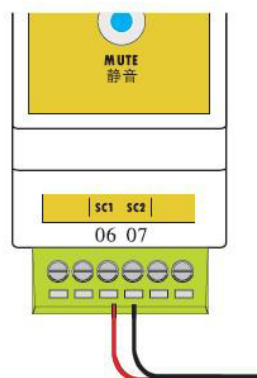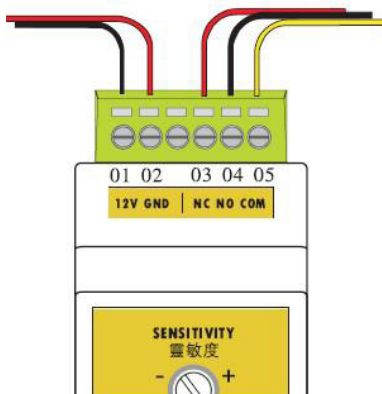Press this button can cancel buzz when alarm happens
D Beeper Sound Aperture
Clockwise+ increase, detection sensitivity, - reduce sensitivity.
E Beeper Switch
ON: Open the beeper OFF: Close
Clockwise A+ increase detection sensitivity, A-reduce sensitivity.

Wiring Instructions

01-02 Input Source, 12V DC Power
01-Positive, 02-Negative
03-05 Leakage Alarm Relay
NO-Normal on COM- Common terminal NC-Normal close
06-07 Detective Cable (SC1,SC2)
Note: the specification of terminal blocks is 18AWG(1mm2)

Ordering Information

Part Number	Description
GN-RC-77106	Giganet Water Leakage Sensor