AgileView

EMS(Environmental Monitoring System)

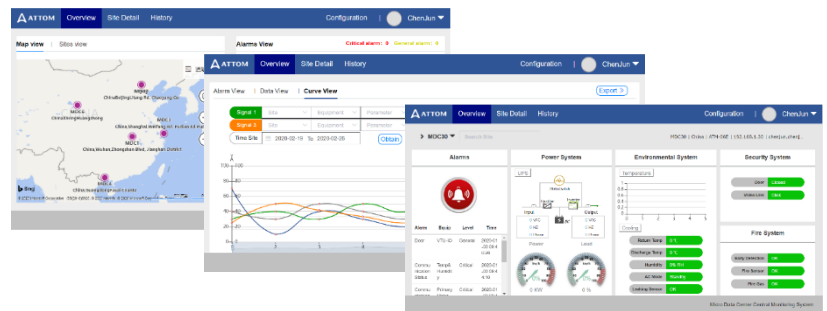> > Foundation of Digital Future

ATTOM

Customized Efficiency

AgileView | EMS

Powerful Support for Your Comprehensive Management Needs.

The increasingly accelerated digital demands are propelling the rapid evolution of IT infrastructure, prompting the need for monitoring and managing a more complex and evolving data center infrastructure. AgileView Solution interfaces with critical facilities using a full range of sensors, ensuring real-time monitoring and providing instant alerts. This facilitates prompt responses from data center managers. Additionally, it seamlessly integrates with your BMS for remote management and monitoring. This solution empowers organizations to operate a flexible, well-balanced, optimized, and efficient data center.

Centralized Monitoring Center

NorthBound Integration

SNMP / Modbus / BacNet

Web Browser

Email   SMS   Phone

Precision Cooling	Temp&Hum. Sensor	Leaking Sensor	Emergent Ventilation

Micro Environment System

UPS	Power Meter	Battery

Power Supply System

Smoke Sensor	Door Sensor	Alarm Beacon	Video Surveillance

Security System

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Rack/Wall Mount, Monitoring Host w/o Display
EM099

Key Features:

- All in one design 1U height supporting all types of equipment, such as UPS, cooling, smoke, water etc.
- Supports multiple protocols type from equipment, such as Modbus-RTU, Modbus-TCP, SNMP.
- Open to be integrated into central BMS by SNMP or Modbus-TCP.

- Open to integrate any third party critical systems, such as UPS, Genset, Cooling, etc.
- Built in HDMI port to connect with external display.
- Seamless integration of Attom Video and Access Control systems.

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Rack/Wall Mount, Monitoring Host w/o Display
EM099

Technical Data	
INPUT	
Voltage	12VDC~24VDC
Current	3.0A
PARAMETERS	
Display Panel	External touch display
Web Portal	Built in
Monitoring Ports for BMS	Modbus-TCP, SNMP
I/O PORTS	
RS232	1* RS232
RS485	5* RS485
Digital Input	6* DI
Digital Output	2* DO
HDMI	1* HDMI
Network	1* 10/100M
USB	1* USB2.0
OPERATING ENVIRONMENT	
Operating Temperature	-40°C~85°C
Operating Humidity	5%~95%RH, Non-Condensing
PHYSICAL	
Dimension	481*244*44.5mm
Net Weight	3.4kg

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Door Mount, Monitoring Host with Display
EM100

Key Features:

- All in one design supporting all types of equipment, such as UPS, cooling, smoke, water etc.
- Supports multiple protocols type from equipment, such as Modbus-RTU, Modbus-TCP, SNMP.
- Open to be integrated into central BMS by SNMP or Modbus-TCP.

- Open to integrate any third party critical systems, such as UPS, Genset, Cooling, etc.
- Built in 10-inch touch display for easier onsite control and view.
- Seamless integration of Attom Video and Access Control systems.

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Door Mount, Monitoring Host with Display
EM100

Technical Data	
INPUT	
Voltage	12VDC~24VDC
Current	3.0A
PARAMETERS	
Display Panel	Built in 10.1inch color display Capacitive type, multiple touch supported
Web Portal	Built in
Monitoring Ports for BMS	Modbus-TCP, SNMP
IO PORTS	
RS232	1* RS232
RS485	5* RS485
Digital Input	6* DI
Digital Output	2* DO
Network	1* 10/100M
Camera	1* 2.0M Pixels
USB	1* USB2.0
OPERATING ENVIRONMENT	
Operating Temperature	-25°C~55°C
Operating Humidity	5%~95%RH, Non-Condensing
PHYSICAL	
Dimension	286*196*33mm
Net Weight	2.0kg

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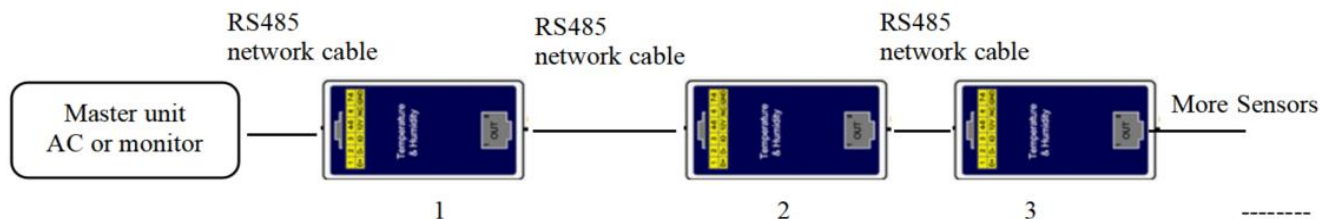
Temperature and Humidity Sensor
M-S-TH

This cabinet-style temperature and humidity sensor employs semiconductor sensor design, offering high precision, cost-effectiveness, and self-calibration function. It can be widely utilized for temperature and humidity monitoring in environments such as data centers, smart cabinets, IDC rooms, and laboratories, while enabling intelligent management by connecting to data center monitoring systems.

Key Features:

- High accuracy, self-correction, and consistency.
- RJ45 connection for automatic address allocation.
- Easy installation with magnets or wall mount.
- RS485 interface with Modbus protocol for remote monitoring
- Option to select temperature units (°C or °F).
- Modular design for easy installation and maintenance.

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Temperature and Humidity Sensor
M-S-TH

Technical Data

INPUT	
Power	10-15VDC, rated 12VDC
MEASURING RANGE	
Temperature Range	-20°C~80°C
Humidity Range	0%~100%RH
MEASUREMENT ACCURANCY	
Temperature Accuracy	<± 0.3℃, tested at 25℃.
Humidity Accuracy	<±3% RH,tested at 25℃
COMMUNICATION INTERFACE	
Physical interface	RS485
Tandem Nodes	Recommended 64 nodes (Max. 256 nodes)
Transmission distance	1200m(connect with STP network cable)
Address Range	1~254, through RS485 setting, can realize automatic allocation.
Communication protocol	Modbus-RTU
Baud rate	Default setting 9600bps. 2400/4800/9600 can be selected.
OPERATING ENVIRONMENT	
Operating Temperature	-20°C~80°C
Operating Humidity	0%~100%RH
PHYSICAL	
Dimension	80*48*23mm
Net Weight	0.05kg

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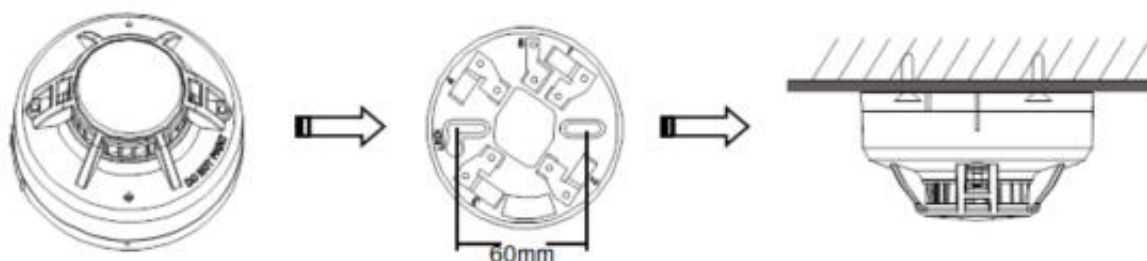
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Smoke Sensor

M-S-SF

The smoke sensor works with two-wire connections, compatible with traditional systems. It monitors smoke levels, showing a red light during monitoring with low power use. In an alarm state, when smoke exceeds the threshold, the red light stays on, and current rises quickly.

Key Features:

- The detector features an automatic dust accumulation compensation function, which reduces the impact of dust on the detector's sensitivity.

- The alarm can be reset only by a momentary power interruption.

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Smoke Sensor
M-S-SF

Technical Data

INPUT	
Voltage	9VDC~28VDC, Non-polarized
PARAMETERS	
Standby Current	60uA @ 24 VDC
Max. Alarm Current	30mA @ 24 VDC(LED on)
Adjustable Sensitivity	0.15~0.3dB/m
OPERATING ENVIRONMENT	
Operating Temperature	10°C~50°C
Operating Humidity	10%~93%RH, Non-condensing.
PHYSICAL	
Dimension	Φ103*55mm (installed in Base)
Net Weight	0.155kg

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Leaking Sensor
M-S-WD

M-S-WD is a water leakage detection solution designed for small data centers, laboratories, base stations, and other small-scale areas where leak detection is required. It features fast real-time response, high cost-effectiveness, and easy installation.

Detection controller

Detection cable

Key Features:

- The controller provides DC/DC power isolation to prevent interference from power ground lines, ensuring high stability.

- The detection lines are flame-resistant, dustproof, and short-circuit-resistant, ensuring no false alarms.

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Leaking Sensor
M-S-WD

Technical Data	
Detection controller	
INPUT	
Voltage	12VDC,10~15VDC
Working Current	≤0.1A
PARAMETERS	
Detection Sensitivity	8 kinds of sensitivity can be set
Response Time	<2s
Relay Output	1 way, contact DC30V 1A
PHYSICAL	
Dimension	88*37*59 mm
Net Weight	0.07kg
Detection Cable	
MATERIAL	
Cable Material	Imported conductive polymer and insulation polymer, flame retardant materials
Protection	Built-in dustproof, anti-short circuit protective net
Flame Retardant Grade	94V-0
FEATURES	
Detection Medium	normal water, air conditioning water, fire water, rainwater, etc.
Sensitivity	<3cm water leakage line can be sensed
Response Time	<1s
Installation Method	Non-Position
Drying Time	15 seconds after the cable leaves the water, gently shake the cable water droplets automatically fall off
Cleaning Method	Wipe off with a clean cloth
Life	10 years
OPERATING ENVIRONMENT	
Operating Temp.	-10°C~50°C
Operating Humidity	10%~90%RH
PHYSICAL	
Dimension	5.5mm^2
Cable Length	5meters
Net Weight	0.35kg

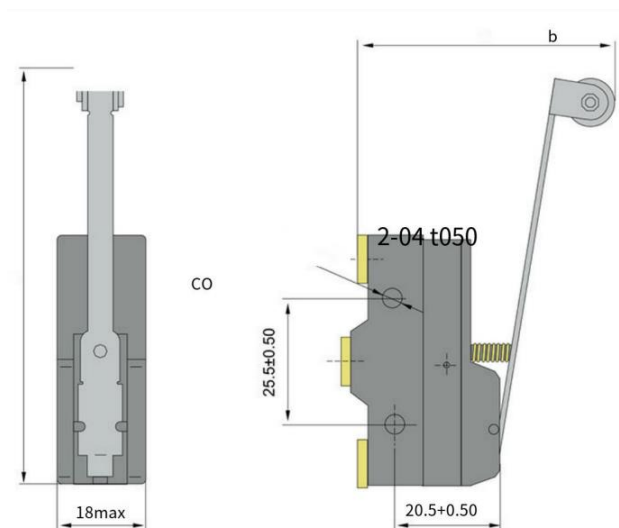Efficiency Prefabricated

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Door Status Sensor
M-S-DS

Used for stroke control,protection and interlocking of mechanical equipment such as machinery, textiles and electronic instruments.

Key Features:

- Due to their mechanical nature, limit switch sensors are typically highly reliable and easy to maintain.

- sensors often have a long lifespan and can work in harsh environments.

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Door Status Sensor
M-S-DS

Technical Data

Operation Form	Hinged roller long lever type
ELECTRICAL PARAMETERS	
Isolation Voltage	380V
Voltage	AC 380V, DC 220V
Electric Current	3A
MECHANICAL PARAMETERS	
Action Force	0.35~0.85N
Action stroke	≤3
Repetition Precision	±0.05mm
Protection Grades	IP62

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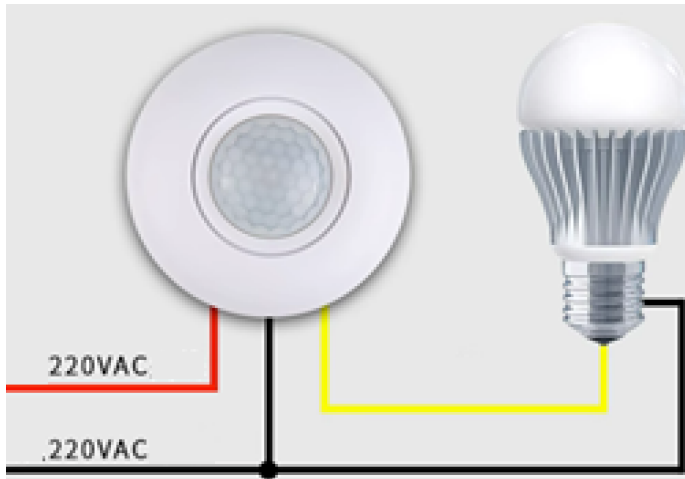## Infrared Ray Detection sensor
M-S-IR

When a person approaches, the light turns on, and when the person leaves, there is a delay before the light turns off. It features user-friendly, convenient, safe, and energy-saving.

Key Features:

- 360-degree sensing angle
- Adjustable photosensitive function
- Adjustable delay time
- Compatible with various types of lamps

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Infrared Ray Detection sensor
M-S-IR

Technical Data

INPUT	
Power	185VAC-245VAC
PARAMETERS	
Delay Time	Adjustable 16s – 360s
Light Control	Adjustable 5-500LUX
Action Type	Human Infrared motion
Power	≤1000W
Sensing Angles	Ceiling 360 degrees, wall 120 degrees.
INSTALLATION	
Max. Installation Height	Ceiling 3 meters, wall 1.5 meters.
OPERATING ENVIRONMENT	
Operating Temperature	-0°C~40°C
Operating Humidity	10%~90%RH
PHYSICAL	
Dimension	Φ68mm
Net Weight	0.25kg

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Industrial Touch Display
10" 21" 43"

Key Features:

- Suitable for 1U type host.

- 10-point capacitive touch for fast 5ms response, precise and stable.

- Durable aluminum alloy frame and sheet metal rear shell, corrosion-resistant.

- Boasting an IP65 waterproof surface, ensuring durability in challenging environments.

- Rigorous tests guarantee consistent quality in every machine.

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Industrial Touch Display
10" 21" 43"

Technical Data

Model	M-H-STA	TD215-E10-A01	TD435-E10-A01
TOUCH SCREEN PARAMETERS			
Screen Type	LED capacitive touch screen	LED capacitive touch screen	LED capacitive touch screen
IP Rated	Front IP65 Whole Body IPX3	Front IP65 Whole Body IPX3	Front IP65 Whole Body IPX3
Size	10.1" (16:10)	21.5" (16:9)	43" (16:9)
Display Area	218 *136.5mm	477.6*269.1mm	944.1*532.3mm
Optimal Resolution	Default 1280 * 800P (Optional 1920* 1200P)	1920 * 1080P	Default 1920 * 1080P (Optional 3480* 2160P)
Brightness	≥250cd/m²	≥250cd/m²	≥300cd/m²
Contrast	≥ 1000 : 1	≥ 3000 : 1	≥ 1200 : 1
Touch Response Time	< 5ms	< 5ms	< 5ms
Touch Points	10-point touch	10-point touch	10-point touch
Visual angle	Full view 85°	Full view 85°	Full view 85°
Communication Mode	Full speed USB 2.0	Full speed USB 2.0	Full speed USB 2.0
Drive	Drive-free, plug-and-play	Drive-free, plug-and-play	Drive-free, plug-and-play
ELECTRICAL PROPERTIES			
Input Power	110-240VAC 50/60Hz	110-240VAC 50/60Hz	110-240VAC 50/60Hz
Output power	DC 12V 3A	DC 12V 5A	DC 12V 3A
I/O PORTS			
3.5mm Audio	1*3.5mm Audio	1*3.5mm Audio	1*3.5mm Audio
VGA	1*VGA (15-pin D-Sub)	1*VGA (15-pin D-Sub)	1*VGA (15-pin D-Sub)
VDI	N/A	1*VDI	1*VDI
HDMI	1*HDMI	1*HDMI	1*HDMI
USB2.0	1*USB2.0	1*USB2.0	1*USB2.0
OPERATING ENVIRONMENT			
Operating Temperature	0°C~50°C	0°C~50°C	0°C~50°C
Operating Humidity	10%-80%RH	10%-80%RH	10%-80%RH
Operating Altitude	Below 5000m	Below 5000m	Below 5000m
PHYSICAL			
Dimension	255*175*31.5mm	518*314*40.2mm	985*573*51.9mmNet
Net Weight	0.9 kg	4.9 kg	17.6kg

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We believe the world is
being totally connected.
The connections are
creating digital intelligence
and a better future.

We design and deliver
data center
infrastructure products
to build foundation of
digital future.

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