



MSP 203

System monitoring Smoke detection and Environment - Multisensor

Art. No. 11171 V1, RJ45 connection



Product description

The MSP 203 Environment - Multisensor quickly detects smoke / haze and measures highly accurate temperature, relative humidity and dew point.

The MSP 203 is an industrial Environment - Multisensor of the latest generation and is intended for control cabinet, system and infrastructure monitoring.

The MSP 203 has LED displays for power, status and sensor function.

The sensor finder LED function allows the sensor to be found quickly in large networks.

Per ESERA Plug and Play system, called Auto-E-Connect, the MSP 203 is installed fully automatically in ECO Controller.

The ESERA Auto-E-Connect system, which is an extension of the 1-Wire Bus standard, has been registered by ESERA GmbH as a German and European patent.

The installation is done in a few minutes by the Dual RJ45 connector system for patch cables.

Due to a sophisticated EMC and grounding concept the Environment - Multisensor for industrial environments is well prepared for reliable operation.

Horizontal air flow measurement direction, detection of air flow into or out of the control cabinet.

Intended for mounting on surfaces, e.g. in the control cabinet

Simple power supply (5VDC)

Highlights

- highly accurate smoke / haze, temperature, relative humidity and dew point sensor
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- LED displays for Power and Status
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- Sensor Finder LED display
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- 10 years long term available
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- 1-Wire Industrial 1-Wire Bus optimized for linear topology / Daisy Chain System
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- Auto-E-Connect Plug and Play System I to III
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- Smoke detection in horizontal air flow measuring direction
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- Long Live Industrial version
Extensive protection circuits
-
- Connection via Dual RJ45 sockets
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- High quality plastic housing for mounting on surfaces
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- Power supply 5VDC



Possible customization and optional equipment

- fast and cost-effective customer adaptations possible due to ESERA 80/20 concept. 80% existing technology, 20% adaptations to customer requirements.
- Customization of sensor equipment already possible for small order quantities from 100 pieces.
- Expandable with additional sensor elements, such as CO₂, VOC (air quality), air pressure, ozone (O₃), nitrogen dioxide (NO₂), etc.
- Painted electronics (conformal coating) for high operational reliability under permanently high or strongly fluctuating humidity conditions.

Key Features (basic unit)

Sensors, Accuracy	Temperature measuring range -40 to + 85°C, accuracy 0,2°C relative humidity, measuring range 0-100%, accuracy 2% dew point calculation from temperature and rel. humidity smoke / haze / House Dust, 0 to 2100µg/m ³ , accuracy 15%
Auto-E-Connect Feature	Pre Configuration, desired OWD storage Automatic Positioning, OWD advanced Plug And Play sensor finder function, LED display for sensor recognition Classes Assignment, OWD class via ECO Controller
Bus interface	1-Wire Industrial Bus with ESERA Auto-E-Connect System, level I – III 5V, Data In, Data Out, ground/GND and grounding (earth, functional earth)
LED displays	LED green for power, LED yellow for status and sensor finder LED green for sensor function
Equipment	sophisticated EMC and grounding concept overvoltage protection up to 28V for data line and power supply
Power consumption	0,15W, 30mA at 5V
Connection	2 x RJ45 socket for linear topology and ground connection (FE)
Dimensions	Housing: 111 x 62 x 31 mm (W x H x D) Housing with mounting flange: 137 x 62 x 31mm (W x H x D)
Housing	ABS plastic, light grey
Protection system, Prot.class	IP20 / Protection class III
Temperature, Operation	-25°C to +60°C
Humidity, Operation	10-92%, non condensing

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