

Data sheet:

## Web-Alarm 6x6 Digital



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IO-Monitor with integrated messaging center, Web-based operating software and data logger

Sending alarms over the network via e-mail, SNMP trap, etc. as well as locally using switching contacts. Self-refreshing status report for alarms including acknowledgment from the browser. The complete solution for autonomous, decentralized monitoring with integrated data logging.

## Properties

### General information:

- **Network connection:**
  - 10/100BaseT autosensing, RJ45
- **PoE (Power-Over-Ethernet):**
  - Phantom power using data pairs
  - Power provided by unused wire pairs (spare-pair power)
- **Supply voltage from external power supply:**
  - Supply from external power supply possible as an alternative to PoE
- **Web-based management**
  - Configuration of the system parameters
  - Definition of the alarm conditions
- **12 freely configurable alarms**
  - Trigger: Each digital signal source (input signal), counter states
  - Alarm options: Switching digital outputs, e-mail, SNMP trap, UDP and TCP client, Syslog messages, FTP
  - Soft- and hardware acknowledgement
- **6 digital outputs using industry-standard 6V-30V for local alarming**
  - Current sourcing FET
  - Short-circuit-protected by virtue of thermal safety fuse
- **6 digital industry-standard inputs usable as signal and acknowledgement inputs**
  - Type 1, current sinking in accordance with IEC 1131-2
  - Galvanically isolated in 2 groups
  - Protected against reverse connection
  - Counter function
- **Event storage in internal data logger**
  - 8MB non-volatile memory (corresponds to 172,000 alarms or 1,000,000 input events)
  - Consistent recording of data records using battery-backed clock
  - Recording of input and alarm events as well as counter states
  - Stores up to 100 events per second
- **Alarm management software on integrated Web server**
  - Running software packet in each Web browser (no installation! No plug-in!)
  - Self-refreshing visualization of the current alarm states
  - Software acknowledgement
  - Table of various time windows for the data logger (alarm and input events, counter states)
  - Export any data logger time windows into CSV files
- **Online Web interface language selection**
  - Deutsch
  - English
- **Conforms to standards both in office and industrial environments:**
  - High noise resistance for industrial environments
  - Low noise emission for residential and business areas
- **5 year guarantee**

### Background information:



This device makes it possible to use sensors with switching contacts as initiators for alarm events. The alarm can be triggered either when single events occur or when a defined pulse count is reached on the respective input. Messaging can take place locally through switching of the digital outputs and be forwarded in the form of e-mail, SNMP trap, UDP and TCP client, syslog messages and FTP over a TCP/IP based network.

Six digital inputs are provided which can be used as signal and as acknowledgement inputs. The device has six digital outputs for local alarming. Each input has a counter associated with it whose value can also be used for triggering an alarm.

The alarm management software can be run from the internal Web server of the device with any Web browser. It requires no installation or additional plug-ins, making it directly available on any PC in the network. The Web-based software automatically visualizes the current alarm status of the device and allows pending alarms to be confirmed via software.

All alarm and input events including the associated counter states are stored non-volatile in the internal data logger and through the integrated software are available in any browser for later analysis.

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## Technical data

Network:	10/100BaseT autosensing, RJ45 IPv6 on request
Alarms:	12 alarms for local and/or remote messaging
Response times:	Data and switching traffic: typically 12 ms
Digital outputs:	6 x Digital Out 6V-30V, 500mA Short-circuit-protected
Digital inputs:	6 x Digital In, max. input voltage +/-30V protected against reverse connection within this range Switching threshold 8V +/- 1V "On" current = 2.2 mA
Adapters:	2x screw terminal for power (alternative to PoE) 16x screw terminal for I/Os
Galvanic isolation:	Digital-IO's - Network: min. 1000 V
Serial port:	RS232 interface as an optional configuration access.
LEDs:	- Status of the network connection - Current IO state - Device status
Power supply:	Power-over-Ethernet (PoE) or via screw terminal with DC 24V-48V (+/-10%) or AC 18Veff-30Veff (+/-10%)
Storage temperature:	-25°C-70°C
Operating temperature:	0°C-55°C when not row mounted 0°C-50°C when row mounted
Housing:	Plastic housing for DIN rail mount 105x45x75mm (l x w x h)
Weight:	approx. 200g
Scope of delivery:	1 x Web-Alarm 6x6 Digital incl. Alarm-Management-Software 1 x Quick Guide 1 x W&T product CD

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