CANalarm®

Features:

Figure similar

The CANalarm® in the form of a 9-pin D-Sub field bus connector is designed for the logical monitoring of CAN bus systems and is integrated via plug&play into an existing and running system. There it automatically detects the baud rate and starts to analyze independently the entire bus traffic.

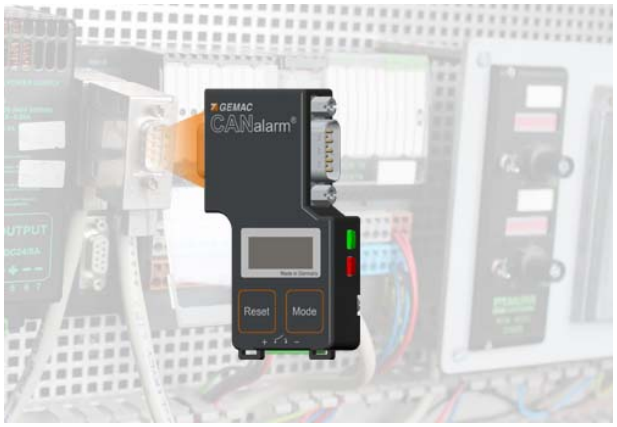
As a passive bus node, it detects without interaction and continuously typical characteristics of a CAN communication and compares it with user settable trigger criteria:

- Bus traffic load
- Number of error frames
- ID and content of the transmitted telegrams

The measurement results are displayed directly on the built-in display.

As soon as at least one of the trigger criteria is met, this condition is indicated by a status LED and by a potential-free switching output. The switching output is also integrable in the system control, so that an independent monitoring system can be realized in a simple way.

With the CANalarm, for the first time an entry-level bus monitoring tool for plant operators is provided. Plugging in, reading the bus status and set the error criteria for the alarm output either via the device or PC software.



Fields of Application:

- Detection of faulty bus states
- **Failure Monitoring:** Detection of node failures and malfunctions
- **Message Trigger:** ID and / or content analysis for event-triggered alarm

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Technical Specifications*:

Electrical Parameters	
Power supply	+ 9 … 32 VDC
Current consumption	16 mA @ 24 V
Switching output galvanic isolation	Peak peak voltage Vppsw: < 60 $V_{AC/DC}$, max 1.25 A potential difference < 120 V_{DC}
Mechanical Parameters	
Supply/Switch connection	Phoenix Contact: MC1,5/4-G-3,5-1844236 Plug for connection:FMC1,5/4-ST-3,5-1952283
CAN connection	9-pin D-Sub connector
Ambient conditions	Operation temperature: 0 °C ... 40 °C Storage temperature: -20 °C ... 70 °C Atmospheric humidity: 20 % ... 85 %, non-condensing
Degree of protection of the housing	IP20 to EN 60529
Dimensions	77 mm x 45.8 mm x 18.2 mm
Weight	Approx. 50 g
CAN	
Protocol	CAN 2.0 A and B according to ISO 11898-2
Supported baud rates	10, 20, 50, 100, 125, 250, 500, 800, 1000 kBit/s Additionally user-defined: 33.3, 62.5, 83.3, 200, 400 kBit/s Automatic detection

* For a complete description of all technical specifications, please refer to the User Manual (www.gemac-fieldbus.com).

Ordering Information:

Product	Description	Article Number
CANalarm® - Basic set		
CANalarm® - Basic set	CANalarm® incl. Quick start guide	PR-22565-00
Licenses for optional Software Modules		
License „Failure Monitoring“	License key for the failure monitoring of CAN devices	SW-22565-10
License „Message trigger“	License key for analyzing of CAN messages	SW-22565-11