

# Programmable speed monitor

*As versatile as it is adaptable. The speed monitor has numerous applications in many areas of technology, whether it be for protection of people, machines or manufactured products, to ensure that a plant operates at optimum efficiency, or for speed-dependent switching of system functions in a process.*

## Programmable speed monitor

DERZMANN



### Application field:

Internal combustion engines in power station and marine applications;  
Gas, water and wind turbines;  
Pumps, mixing plants and conveyor systems: paper, foil and textile production plants;  
Machine tools and processing centres.

### Technical data

Frequency range	0.01Hz...20000Hz
Accuracy	+/-0.03% of full scale +/- 1 digit
Temperature coefficient	+/-0.01% of full scale
Switching delay	< 20 ms + measuring periodes entered

### Supply

Voltage/Current	18...36V DC / <160mA
with DC/DC converter	10...36V DC / <120mA

### Signal input

Trigger level	On/Off adjustable
Min. pulse duration	20µs
Sensor supply	12V DC, max.60mA

### "Active starting-bridge" input

Trigger level On /Off	>2.5 / <1.0V
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### Relay outputs (one, optional two relays)

Switching voltage	AC≤250V / DC≤42V
Nom. switching current	AC max.5A / DC 2A

### Analogue output (optional)

Accuracy	+/-1.0% of full scale
Maximum burden	400Ω

### Installation conditions

Operating temperature	-25...+70°C
Protection (IEC 529)	IP 20 (installation in enclosure)
Vibration (IEC 68 -2-6)	0.7g@ 1...100Hz

### Mounting

Standard rail-mounting case for 35 mm (1.378 inch) DIN-rail

### Approvals

All instruments are CE compliant.

