RMS-DI-L-R

ADVANTAGES

- Two input channels
- Data logging of up to 75,000 measured values
- Compatible with RMS-Config, RMS On-Premise and RMS SaaS
- Conforms to FDA CFR 21 Part 11 / GAMP 5

APPLICATIONS

- Monitoring / Process control
- Safety and automation
- Direct condition control

RMS

TECHNICAL INFORMATION

The digital input module stores all measured data on an event basis and sends it to the database via Ethernet. The minimum pulse time is 100 ms. Should the connection be lost, the module stores the data intermediately to protect data integrity and fills up the data gaps when the connection has been restored. The device has a battery so that logging of measured data is also ensured in the event of a failure in the external power supply.

Compatible with:
- RMS-Config
- RMS-WEB On-Premise
- RMS-CLD SaaS solutions

Dimensions
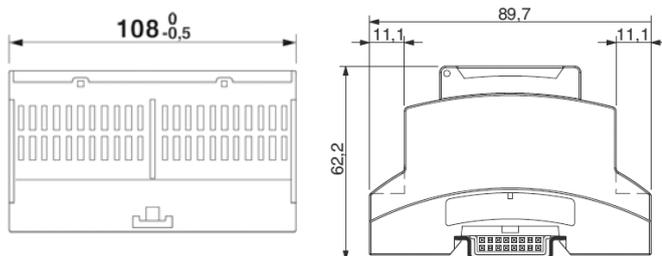
General specifications	
Device type	RMS-DI-L-R
Number of inputs	2 independent digital inputs
Range of application	-40..70 °C / 0..100 %RH non-condensing
Storage conditions	-40..30 °C / 0..95 %RH
Maximum altitude	2000 m ASL
Power supply	24 VDC ±10 % / ‹100 mA / PoE: 802.3 af-2003, Class 1
AC adapter requirements	24 VDC ±10 % / 4 W nominal /‹15 W power-limited
Battery type	RMS-BAT
Battery life	3 years at 23 °C
Device data	
Input frequency	Max. 0.833 Hz or 1.2 s
Pulse recognition	›100 ms (periodically › 1.2 s)
Input circuit	Logic level: 0 V / 5-24 V
	Trigger threshold: ~3.77 V
	Current consumption: ‹1 mA
Reed circuit	Max. load at input 100 kΩ
Max. cable length at input	‹3 m
Measurement interval	Event-based & interval (10 s to 15 min.)
Storage capacity	75,000 data points
Interface	Ethernet
Protocols	HTTP
Conformity with standards	
FDA / GAMP directives	FDA CFR21 Part 11 / GAMP 5
Housing / Mechanical parts	
Housing material	Polycarbonate (PC)
Fire protection class	UL94-V0
Dimensions	89.7 x 62.2 x 108 mm
IP protection class	IP20
Weight	206 g

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MEASUREMENT SOLUTIONS