

Electronic level relay ENR



- Electronic level relay for all ranges from 0.1 – 2 m
- For panel board mounting
- Measurement according to impact pressure method
- Relay output
- Output signal: 0 – 10 V

Electronic level relay with integrated relative pressure transformer for panel board mounting, quick-connect for pneumatic tube, two adjustable thresholds, relay output and isolating transformer according to VDE 0550.

Function: The device evaluates the pressure applied to the sensor. Should a pump for emptying a tank be connected to terminals 11 and 12, then the pump is switched on when the upper threshold is exceeded. The pump is switched off when falling below the lower threshold. Both thresholds are adjustable. The LED illuminates when the pump is running, whereby the relay is deactivated.

Order reference	Type Code	Measuring range (m)	Max. inaccuracy at 25°C	Resolution	Operating voltage U_B (V-AC)	max. perm. level	Weight (in g)	Part No.
ENR 2		0,1–2 m	2,5 %	0,01 m	230	10 m	100	260523

Accessories see page 115

0 V = 0,1m / 10 V = measuring range end value

Technical operating data	
Permissible operating voltage range	±10 %
Operating voltage influence at ± 10% operating voltage fluctuation	< 0,1 %
Duty factor ED	100 %
Permissible ambient and media temperature	-20°C up to +60°C
Permissible ambient humidity rel. humidity, non-condensing	10 % up to 90 %
Permissible storage temperature	-40°C up to 80°C
Clearance and creepage distances	VDE 0110
Working position	any position
Power consumption	max. 1 VA

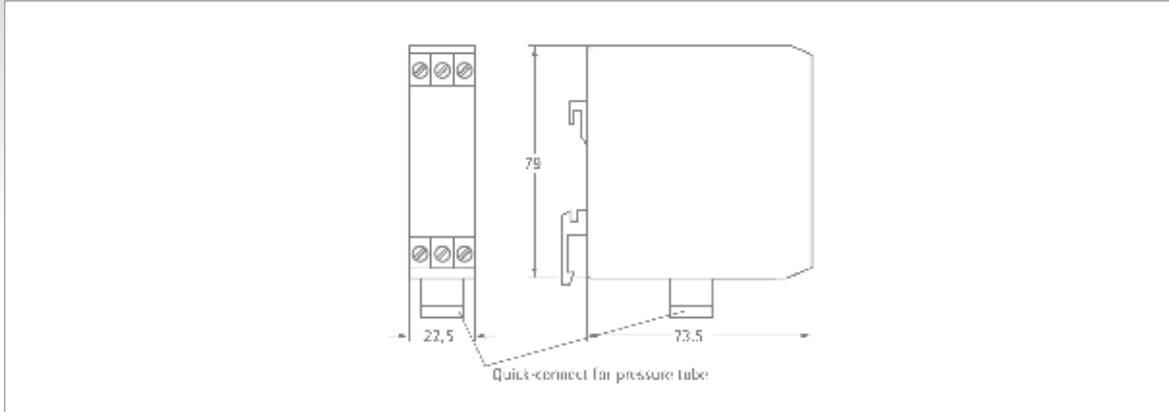
Pressure connection	
Quick connect suitable pneumatic tube e.g.	6 x 1 mm Festo PAN

Analogue output	
Analogue voltage signal max. 5 mA short-circuit proof	0 - 10 V

Enclosure	
Material	ABS flameproof, UL-approved
Mounting	snap on 35 mm DIN-rail connector acc. to EN 50 035
Enclosure protection	IP 40
Protection against shock	acc. VBG 4
Terminals	Cage clamps
Cross section	2,5 mm ²
Weight	100 g
Male jack plug Jack 2.5 mm	2,5 mm

Power section	
Series voltage acc. to VDE 0660 and VDE 0110 Group C	250 V-AC
Maximum continuous current per contact	6 A-AC
Maximum switching capacity per contact	1.500 VA (AC) 50 W (DC)
Mechanical life Schaltspiele	approx. 1×10^7
Electrical life (max. load) Cycles	approx. 1×10^5

Dimensions ENR



Dimensions in mmr

Wiring Diagram ENR

