



Electronic pressure control EDR

Pressure range up to 16 bar
For panel board mounting
Relay output
Output signal: 0 – 10 V

Electronic pressure switch with integrated relative pressure sensor for panel board mounting, quick-connect for pneumatic tube, two fixed adjustable switching points, relay output (isolated SPDT), analogue voltage output 0-10 V via jack plug (look at accessories) and isolating transformer acc. to VDE 0550.

Function: The device evaluates the applied pressure. On exceeding an upper threshold the relay is deactivated; when falling below a lower threshold the relay is activated again. Both thresholds are adjustable.

Type overview EDR

Order reference	Measuring range (bar)*	Max. perm. pressure (bar)	Max. inaccuracy bei 25° C	Operating voltage U _B (V-AC)	Part No.
EDR 2	0,2 - 2	3	2,5 %	230	260271
EDR 16	1 - 16	25	2,5 %	230	260288

*adjustable in 0.1 bar steps

0 V = 0 bar / 10 V = measuring range end value

Accessories EDR

Order reference	Description	Weight in g	Part No.
KL-S	Jack 2.5 mm for analogue output connection (cable length 5 m)	15	260332

Technical Data EDR

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

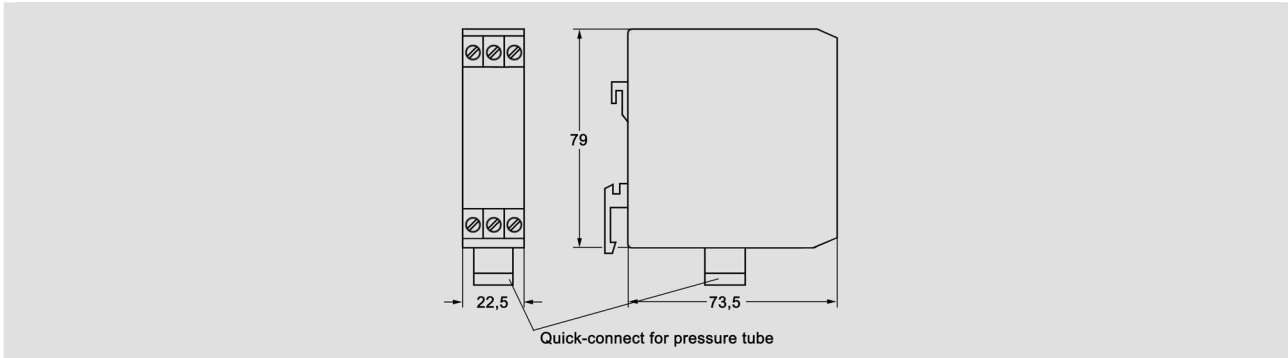
Pressure connection	
Quick-connect suitable pneumatic tube e.g.	6 x 1 mm Festo PAN

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

Enclosure	
Material	RABS 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	135 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 Cycles	approx. 1 x 10 ⁷
Electrical life (max. load) Cycles	approx. 2 x 10 ⁵

Dimensions EDR



Circuit Diagram EDR

