

Power supply unit (PSU)



Type 8010/8011

This PSU allows the operation of 24 VDC sensors, such as vent- and flow-captor units. It contains a 24 VDC power supply and a switching stage with optocoupler output with potential-free switching contact. An integrated LED indicates the switching status.

Housing

Makrolon housing with PG glands for sensor, mains and output connection for wall mounting. For applications where an AC power source is available on site.



Device variants

Type 8010 : For PNP-switching sensors or sensors with analog output signal. On connection of an analog signal to the input of the supply unit a switch signal is activated which controls an integrated relay when a fixed threshold of 50% of the max. input signal is reached. This provides the possibility, when connecting flow- and vent-captors with adjustable measuring range, to vary the switching point on a large scale; e.g. for the flow-captor 4114.30 related to water at flow velocity between 10 cm/s and 100 cm/s, resp. for the vent-captor 3202.30 related to air between 50 cm/s to 25 m/s.

Type 8011 : For NPN-switching sensors. With these devices, the output relay is controlled directly by the switching output of the sensor.

Technical data			
Type	8011		8010
Sensor output	NPN		PNP or analogue
Connecting data			
supply	9 - 36 VDC, 18 - 75 VDC, max. 125 mA, short circuit detected 85 - 264 VAC max. 230 mA		
Signal input	$U_E \text{ on} \leq 6 \text{ V}$ $U_E \text{ off} \leq 18.5 \text{ V}$	R_i approx. 500 Ω I_e limited to 15 mA threshold switch 12 mA, hysteresis $\pm 0.8 \text{ mA}$	
Contact data of relay			
Switching voltage	30 VDC / 240 VAC		
Switching current	2.5 A AC/DC		
Mechanical data			
Protection class of PSU	IP65 / DIN 40050 Air and creepage distances according to VDE 0110 Group C, 380 VE		
Dimensions and mass of PSU	120 x 80 x 55 mm, 440 g		
Electrical data			
Power consumption	9 - 36 VDC max. 4 W	18 - 75 VDC max. 4 W	85 - 264 VAC max. 5.5 VA

weber

Sensors GmbH Strohdeich 32
Sensors Ltd. 66 Eastbourne Road, Southport
Sensors LLC. 4462 Bretton Court, Building 1, Suite 7

DE-25377 Kollmar
Merseyside PR8 4DU, UK
Acworth, Georgia 30101, USA

Tel.: +49 (0)4128 - 591 · Fax: - 593
Tel.: +44 (1704) - 551684 · Fax: - 551297
Tel.: +1 (770) 592 - 6630 · Fax: - 592 6640

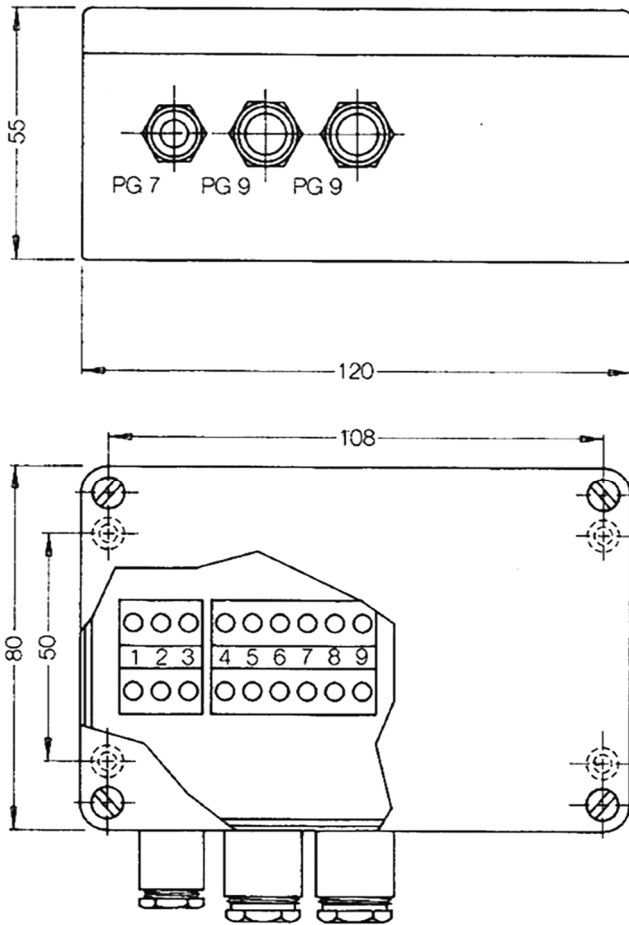
www.captor.de
info@captor.de
sales@captor.co.uk
sales@captor.com

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Dimension drawing types 8010/8011



order description

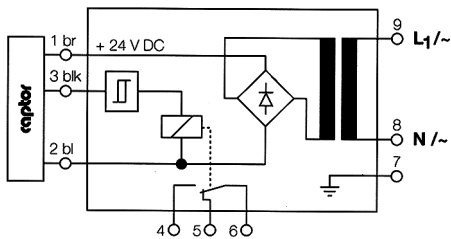
8010/ 9 - 36 VDC
8010/ 18 - 75 VDC
8010/ 85 - 264 VAC

8011/ 9 - 36 VDC
8011/ 18 - 75 VDC
8011/ 85 - 264 VAC

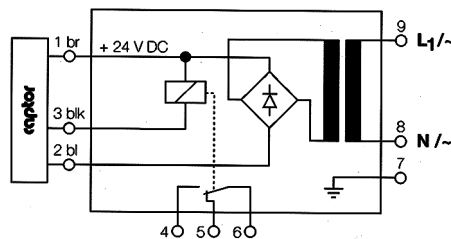
Fastening of housing 108 x 50 (screws M4)

Basic circuit diagrams 85 - 264 VAC

Supply unit 8010

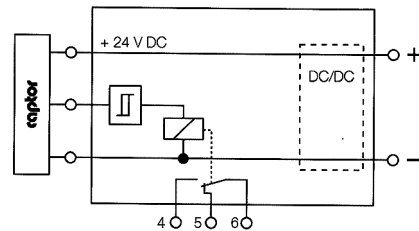


Supply unit 8011

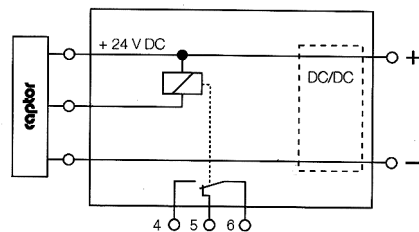


Basic output diagram 9 - 36 VDC, 18 - 75 VDC

Supply unit 8010



Supply unit 8011



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Tel.: +1 (770) 592 - 6630 · Fax: - 592 6640

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info@captor.de
sales@captor.co.uk
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