

This supply unit is allowed for the operation of 24 VDC sensors, such as vent- and flow-captors, with AC supply voltage. It contains a 24 VDC transformer rectifier and a switching circuit with output relay with potential free single pole double throw switching contact. An integrated LED plays the actual switching situation.

Housing:

Macrolon housing with PG screwing for sensor, supply and output connection for wall mounting. For applications where an AC voltage connection is already available.



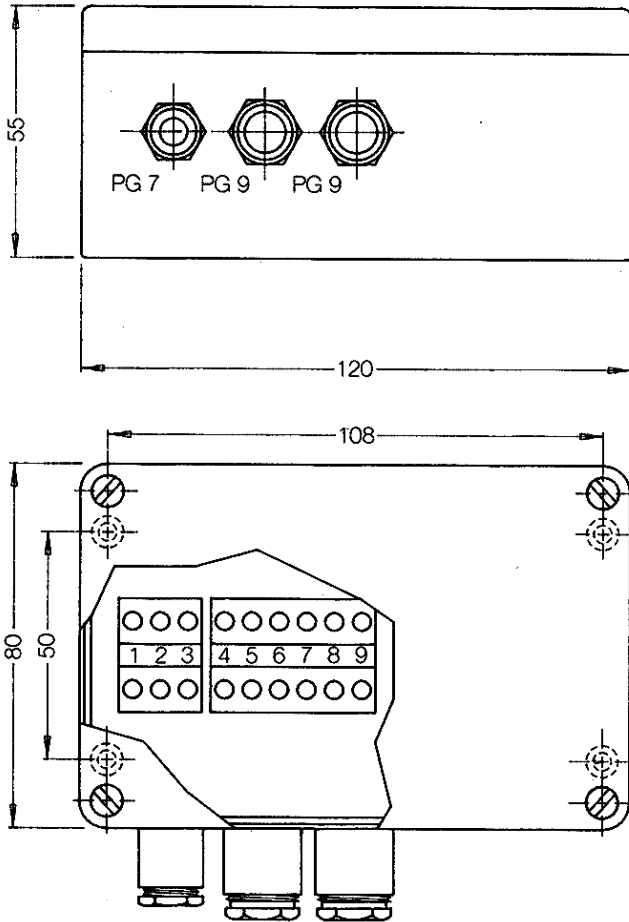
Supply Unit Variations:

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. These units trigger the output relay directly from the switching output of the sensor.

Technical data			
Type	8011		8010
Sensor output	NPN		PNP or Analog
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 max.	30 VDC/240VAC		
Switching current max.	2,5 A AC/DC		
Mechanical data			
Protection standard	macrolon housing IP 65 / DIN 40050 Airgap and creepage distance according to VDE 0110 Gruppe C, 380 VE		
Sizes (l x w x h) and mass	macrolon housing 120 x 80 x 55 mm, 440 g		
Electrical Data			
Power consumption	9-36 VDC max. 4W	18-75 VDC max. 4W	85-264 VAC max. 5,5VA

Dimensioned Drawing Type 8010, 8011



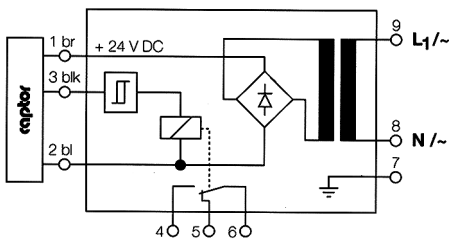
Order Description

8010/ 9 - 36 VDC
8010/ 18 - 75 VDC
8010/ 85 - 264 VAC
8011/ 9 - 36 VDC
8011/ 18 - 75 VDC
8011/ 85 - 264 VAC

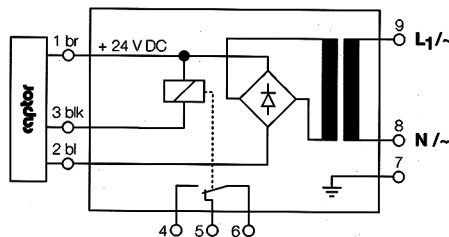
Fastening of housing 108 x 50 (screws M4)

Basic circuit diagrams 85 - 264 VAC

Supply unit 8010

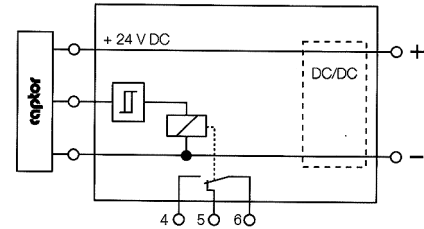


Supply unit 8011



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

Supply unit 8010



Supply unit 8011

