

## Type 8010, 8011

The supply units allow for the operation of 24 VDC sensors, such as vent- and flow-captors, with AC supply voltage. The supply unit 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:

Type 8010, 8011: 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 and 15 m/s.

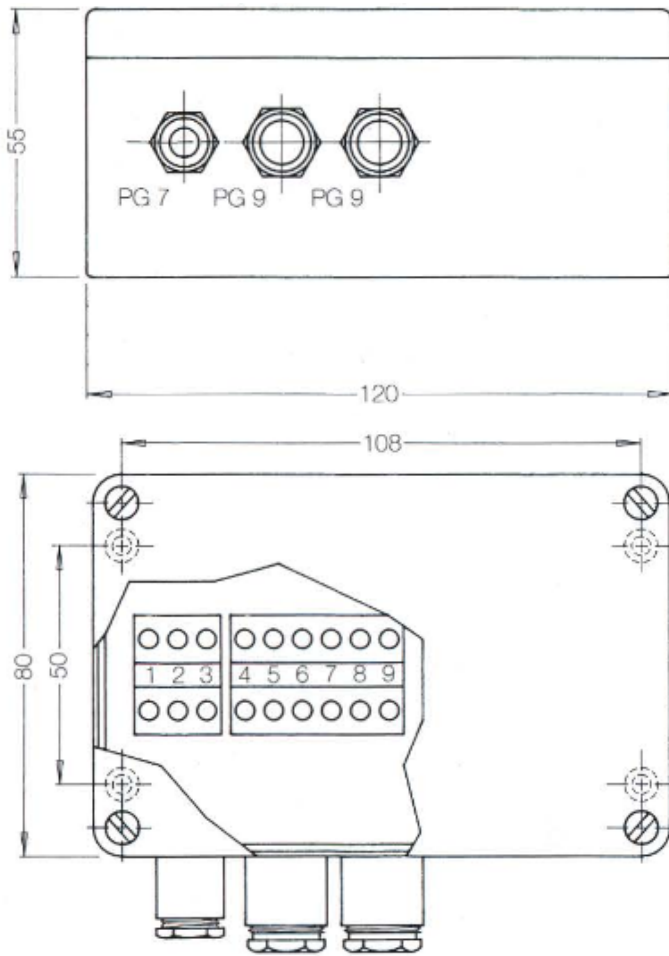
Type 8011: For NPN-switching sensors. These units trigger the output relay directly from the switching output of the sensor.



Technical Data			
Type	<b>8011</b>		<b>8010</b>
Sensor output	NPN		PNP or Analog
Connecting Data for captor			
supply	9-36 VDC, 18-75 VDC, max. 125 mA, short circuit detected 85-264 VAC max. 230 mA		
Signal input	U <sub>E</sub> on ≤ 6 V U <sub>E</sub> off ≤ 18,5 V		R <sub>i</sub> approx. 500 Ω I <sub>e</sub> limited to 15 mA threshold switch 15 mA, hysteresis ± 0,8 mA
Contact Data of Relay			
Switching voltage max.	30 VDC/240VAC		
Switching current max.	2,5 A AC/DC		
Mechanical Data			
Protection standard	8010, 8011 : macrolon housing IP 65 / DIN 40050 Airgap and creepage distance according to VDE 0110 Gruppe C, 380 VE		
Sizes (l x w x h) und Mass	8010, 8011 : macrolon housing ( 120 x 80 x 55) mm, 440 g		
Electrical Data			
Type <b>80xx</b> /	<b>9-36 VDC</b>	<b>18-75 VDC</b>	<b>85-264 VAC</b>
Power consumption	max. 4W	max. 4W	max. 5,5VA

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Dimensioned Drawing Type 8010, 8011



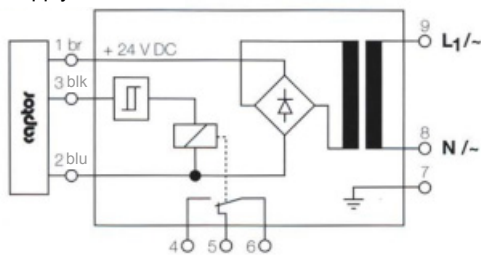
Order Description

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

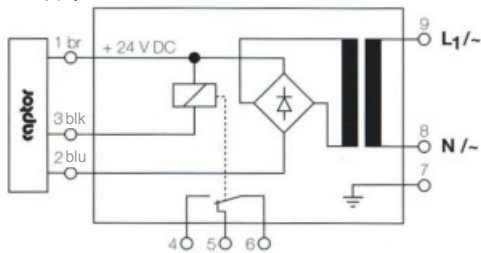
Fastening of housing 108 x 50 screws M4

Basic circuit diagrams 85 - 264 VAC

Supply unit 8010

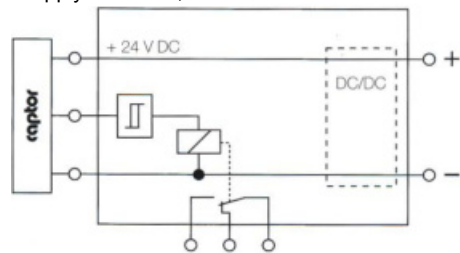


Supply unit 8011



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

Supply unit 8010, 8020



Supply unit 8011, 8021

