



**Model number**

WE77-GS-04



**Features**

- 1-channel trip amplifier
- Current monitoring (0 ... 20 mA)
- 115/230 V AC operating voltage
- Integrated voltage supply for analogue output sensors
- Adjustment of 2 limit value windows with potentiometers (S1.1 for switch-on threshold and S1.2 for switch-off threshold)
- 2 output relays, each having 1 switch-over contact
- Direction of operation programmable with plug-in jumpers
- Modular housing
- Detection of different metals and hole diameters with analogue sensor
- Blocked or enabled inputs for relay 2 via terminal 4 or 7, respectively
- Protection degree IP20

**Technical data**

<b>General specifications</b>	
Programming	limit value range adjustable via 2 potentiometers
<b>Supply</b>	
Rated voltage	98 ... 126 V AC , 198 ... 253 V AC; 45 ... 65 Hz
Power consumption	4 VA
<b>Indicators/operating means</b>	
LED yellow	switching state
<b>Input</b>	
Measuring input	0 mA ... 20 mA (max. 50 mA)
Operating range	adjustable between 0 ... 20 mA
Input delay	approx. 2 ms
Repeat accuracy	≤ 1 %
Switching hysteresis	≤ 0,2 mA
Control input	16 V ... 30 V; 1 mA (terminal 4, 7)
<b>Output</b>	
Type	each with 1 relay output with changeover contacts for current and voltage input
Sensor supply	24 V DC , 42 mA
Contact loading	250 V / 4 A / 500 VA / cos φ ≥0.7
<b>Ambient conditions</b>	
Ambient temperature	-25 ... 60 °C (248 ... 333 K)
Storage temperature	-25 ... 85 °C (248 ... 358 K)
<b>Mechanical specifications</b>	
Protection degree	IP20
Connection	self-opening apparatus connection terminals, max. conductor cross section 1 x 2.5 mm <sup>2</sup>
Mass	approx. 400 g
Dimensions	60 mm x 70 mm x 110 mm
Construction type	modular housing in NORYL SE 0 (Self-extinguishing), flammability classification to UL 94: V - 0
Mounting	snap-on to 35 mm standard rail or screw fixing

**Function**

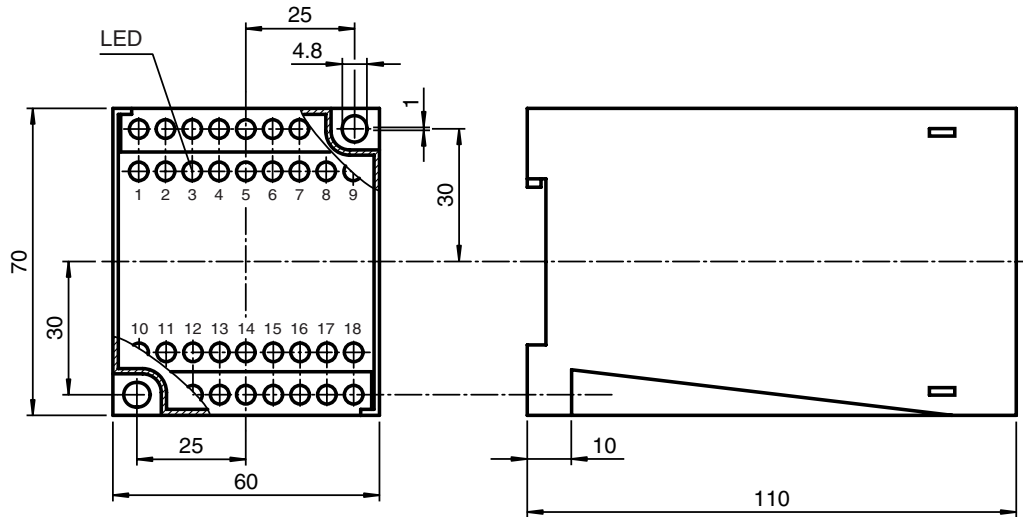
The WE77-GS-04 Limit Detector Switch can be used to monitor current (0 mA ... 20 mA). Two limit value windows can be set with the potentiometers in the housing cover. These operate independently of each other on 2 output relays.

The power supply for an analogue sensor is integrated in the device (DC 24 V / 42 mA). An LED is provided for coarse adjustment. This is located on the front panel and lights at a sensor current of 20 mA.

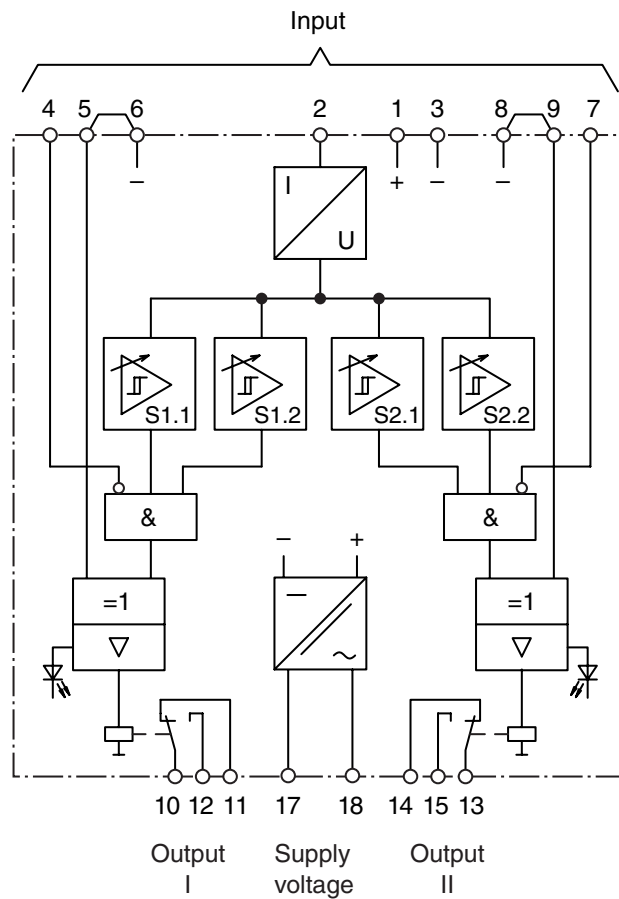
The limit values are provided by setting the S1.1 potentiometer (Relay 1 ON) and S1.2 potentiometer (Relay 1 OFF). (Corresponding setting via potentiometers S2.1, S2.2 for relay 2.) A reversal of the mode of operation can be programmed via the jumpers (5-6, 8-9).

On delivery the potentiometers S1.1 and S2.1 are on the left stop (25 revolutions). Potentiometers S1.2 and S2.2 are on the right stop. The jumpers (5-6, 8-9) are fitted.

Dimensions



Electrical connection



Date of issue 2003-03-26 018800\_ENG.xml