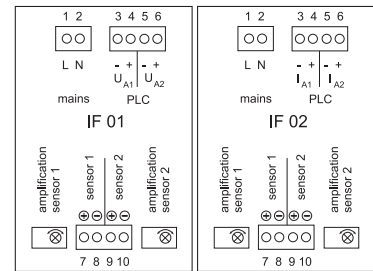
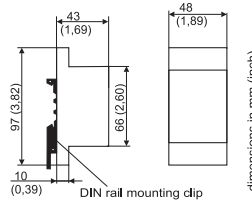


Measurement Equipment Accessories

Amplification Interfaces and SMD Amplifier Boards

Amplification Interfaces IF01, IF02



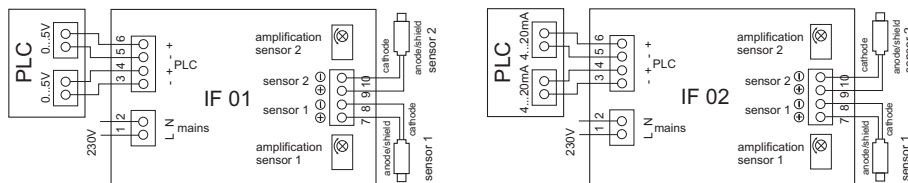
name	signal	output value*
IF01	voltage output	2x 0...5V
IF02	current output	2x 4...20mA

- The amplification interface is used for amplification of low input signals, e.g. of UV diodes, to a 0...5V voltage (IF01) or 4...20mA current (IF02) signal. The amplification is to be adjusted by the customer. By using the potentiometers the appropriate UV-diode signal is adjusted to the needed output value.
- The IF01/02 interfaces allow the connection and amplification of two sensors.
- The signal output can be used with UV-monitors or PLCs with the appropriate current or voltage interface.

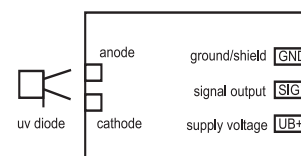
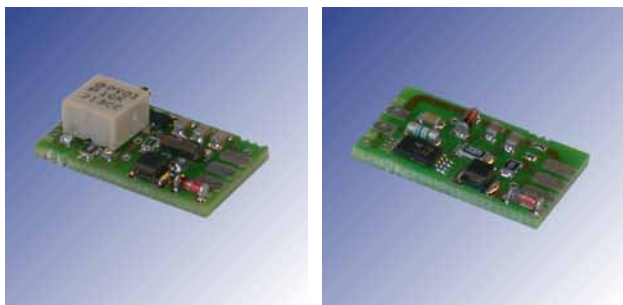
*Other output values are available on request.

mains voltage:	230V AC \pm 10%, 50Hz, max. 2.5W 115V AC and 24V DC types available on request	protection level:	IP20
input:	up to 2 fotodiodes	output:	IF01: 2x 0...5V IF02: 2x 4...20mA
adjustment:		adjustment:	by potentiometer
dimensions (w/h/d):	(97/48/43)mm	weight:	200g
mounting:		mounting:	DIN rail

Examples for wiring



SMD Amplifier Boards



name	signal	output value*	standard value for adjustment	min. load resistance R_{min}	max. load resistance R_{max}
SMD-I amplifier	current output	4 - 20mA	20mA	-	9V \Rightarrow 330 Ω / 24V \Rightarrow 1k Ω
SMD-U3 amplifier	voltage output	0 - 3V	3V	270 Ω	-
SMD-U10 amplifier	voltage output	0 - 10V	10V	660 Ω	-

*Other output values are available on request.

- The SMD amplifier boards can be used for amplification of low input signals, e.g. of UV diodes, to a voltage or current signal with a defined value range. The boards can be adjusted by the customer. By using the potentiometer on the pcb a present UV-diode signal is assigned to the needed output value. The boards can be connected to UV-monitors or PLCs with the appropriate current or voltage interface.
- The boards must be used with an appropriate housing according to the special application conditions.
- The expected UV intensity range is to be specified to allow the adaptation of the SMD-board, because the adjusting range of the potentiometer is limited. The boards are to be adapted according to the diode and the UV intensity range.

supply voltage U_B:	9... 24V DC stabilised, $I \leq 25mA$ (min. 12V DC for SMD-U10)	linearity within the initial voltage range:	2%
connection:	soldering pads for UV diode and wiring	adjustment:	by potentiometer
dimensions (w/h/d):	(12,6/9/21,2)mm		

Shielding connection must not be used as earth connection for safety reasons.
For use in dry environment only!



Notices
