

Electrode Relay

AD-ER 01 GS

Description

The electrodes are supplied with alternating voltage. If a conduction liquid i.e. water, bridges the mass and the min-electrode, the output relay responds, the transmitter power monitor lights up. Furthermore an internal, commutator ensures that the min-electrode becomes effective. The relay de-energize, if the mass and the min-electrode are not conductive connected. The sensitivity can be adjusted to the given circumstances via an integral trimmer.

Application

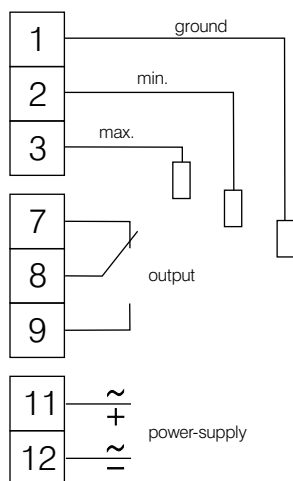
Monitoring and regulating levels of conductive liquids, especially water.



Specifications

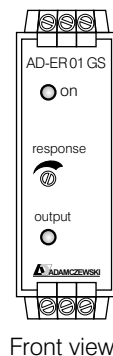
power supply:	AllPower 20-253 V AC/DC internal galvanically insulated
power consumption:	ca. 3 VA resp. 1,4 W
input:	3 electrodes: MIN/MAX/GROUND
electrode current:	max. 1 mA
electrode voltage:	max. 10 V, ca. 45 Hz.
output:	1 change over contact
max. switching voltage:	max. 250V AC, 8A, 100VA
output time delay:	max. 1 s
sensitivity:	0-60kOhm on front side adjustable
insulation test voltage:	signal/power supply AC: 4 kV RMS signal/power supply DC: 2 kV RMS
protective systems:	input/output 4 kV RMS input against over voltage and excess current power voltage against excess current, over voltage and excess temperature
EMC tests	EN 50081-2, EN 50082-2 CE-conformity
ambient temperature:	0° to 50°C

Connections and dimensions: AD-ER 01 GS

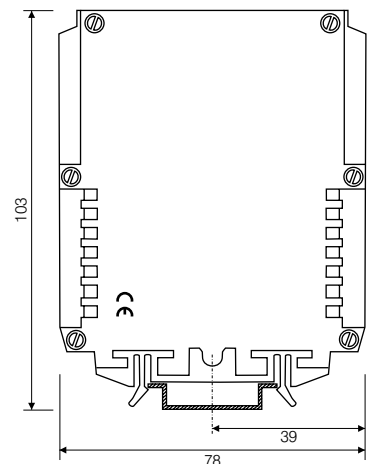
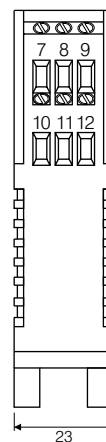


weight 150 g
protection: IP 20
manner of fastening:
attachment rail: NS35/7,5; NS 32

connection data:
fine-wire: 2,5 mm²
single-wire: 4 mm²
max. voltage: 250 V~



Front view



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ADAMCZEWSKI
Elektronische Messtechnik GmbH

Felix-Wankel-Str. 13
Tel. +49 (0)7046-875
vertrieb@ad-messtechnik.de

74374 Zaberfeld
Fax +49 (0)7046-7678
www.adamczewski.com