

Conductivity level switch

CoFox® ELT 8



- For conductive media such as water, waste water, emulsions and many more
- Min. or max. fail-safe mode adjustable
- Two voltage-free relay outputs
- Low response threshold



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Application Suitable for use with electrically conductive liquids whose level is to be limited or controlled. The liquids such as water, emulsions or waste water must neither foam excessively nor be viscous or adhesive (bridging). CoFox® ELT 8 can be operated with one probe as a level switch or with two probes for controlling pumps, valves, etc (start/stop). Can also be used as a water alarm unit, for example in control stations or IT rooms, in conjunction with floor water probe BWS 10-1.

Description Level switch in wall mounting housing with visual alarm and operation indicator. CoFox® ELT 8 is designed for continuous operation and operates on the basis of conductivity. If a probe electrode is in contact with the liquid, this closes a circuit to the tank wall or to a second electrode via the liquid. The relay outputs switch. The sensitivity is adjustable. 2 voltage-free relay contacts are provided for switching functions.

Switching functions **Level switch:** The relay can be set to either energise or de-energise when the probe rod comes into contact with or loses contact with the liquid. The switching point must be adjusted according to the conductivity of the liquid.

Level control for filling: A minimum of 2 probe rods are required. Set the internal switch to "Max" (H). The relay energises when the min. probe loses contact with the liquid. Relay de-energises when the max. probe comes into contact with the liquid.

Level control for emptying: A minimum of 2 probe rods are required. Set the internal switch to "Min" (L). The relay energises when the max. and min. probes have contact with the liquid. The relay de-energises when the min. probe loses contact with the liquid.

Technical specifications

Response threshold

2.5 kOhm – 60 kOhm
fully adjustable

Operating temperature range

Ambient: -10/+60 °C

Supply voltage

AC 230 V or DC 24 V

Power input

4 VA (AC 230 V)
2 VA (DC 24 V)

Probe circuit

Max. AC 3 V

Switching outputs

Relay contact: 2 voltage-free changeover contacts
Contact rating: AC 250 V, 2 A

Visual indication

Green LED: Mains operation
Red LED: Alarm condition

Fail-safe mode

Integrated selector for min. or max.
fail-safe mode (low/high)

Housing

Wall mounting housing with plug-in base
made of impact-resistant plastic (ABS)
W x H x D: 53 x 113 x 108 mm
Degree of protection: IP 30 (EN 60529)

Scope of delivery

Level switch without probe



See page 322 for probes
for level switches.

Version	DG	PG	Part no.	Price €
ELT 8 AC 230 V	H	4	53503	
ELT 8 DC 24 V	H	4	53503A	
Accessories				
Additional alarm unit ZAG 01	H	4	40633	
Combined warning light and horn	G	4	61020	
Cable extension fitting KVA	G	1	40041	

Blue part no. = in-stock items