

Electrode controller/level controller



ALSCHU 300 FG

ALSCHU 300 SP

ALSCHU 300 FG

Art. no. 600476

Electrode controller in field frame for wall mounting, device without sensor

ALSCHU 300 SP

Art. no. 600479

Electrode controller in snap-on housing for DIN rail mounting, device without sensor

Application:

Automatic control of drainage pumps and wastewater lifting plants, overflow and low liquid level control, automatic filling and draining of tanks, level control of liquid reservoirs, aquariums, storage tanks, etc.

The ALSCHU 300 .. is especially suitable for detection of conducting media (water, etc.). It is less applicable for badly or non conducting media (oils or fatty liquids), conducting foaming liquids or media causing electrically isolating deposits on the electrodes.

Measuring method:

The measuring method for level detection is based on the conductive principle, i.e. the electrical conductivity of the media is monitored. If the switching amplifier detects a value below the set conductivity the state "media detected" is output, otherwise "no media". Depending on number and design of the connected level sensors the device can be used for level detection (min-/max-detection) or as 2-point controller.

Specifications:

Power supply: 18 V ... 250 V AC/DC wide-range power supply

Power consumption: <2 VA

2 signal inputs:

Triggering level: <80 kΩ

Response time: 2 s

1 Relay output:

Contact: change-over contact, potential-free

Switching voltage: ≤250 V AC

Switching current: ≤5 A (ohmic load)

Protection class: IP20 (ALSCHU 300 SP) and IP65 (ALSCHU 300 FG)

Working temperature: -20 ... +60 °C, <75 % RH (non condensing)

Storage temperature: -40 ... +80 °C

Condensation: not allowed

Functions / displays:

Red / green LED: display for switching state of relay, switching state of sensors, status (supply) of device

Housing:

ALSCHU 300 SP: 22,5 x 75 x 110 mm (W x H x D)

ALSCHU 300 FG: 100 x 100 x 60 mm (W x H x D without PG cable glands)

Scope of supply: device, manual

Accessories and spare parts:

Sensors see page 205

Electrode controller/level controller



ALSCHU 485

Art. no. 603479

Electrode control device for filling or emptying, incl. two 2-pin. electrodes

ALSCHU 485 OE

Art. no. 603807

(as above, but without electrodes - connection for two 2-pin. electrodes)

ALSCHU 485 OE/3P

Art. no. 603808

(as above, but without electrodes - connection for 3-pin electrodes)

Application:

Automatic control of drain pumps and sewage removal plants, overflow and dry running protection, automatic filling and emptying of containers, basins, tanks, control of liquid level in storage tanks, aquariums, etc.

Specifications:

Control device: Flashing LED indicating control state. Selector switch for emptying or filling. Plug-in socket for electrodes.

Power supply: control device 230 V 50 Hz (approx. 1 VA), automatic by connecting grounded adaptor plug.

Control output: via grounded adaptor plug with earthing and socket outlet with earthing, electrode control. Direct switching capacity approx. 1200 VA at 230 V 50 Hz (approx. 5 A ohmic load). Extra high protective capacity by external triggering of a contactor or semiconductor relay.

Electrodes:

ALSCHU 485: 2 x 2.5 mm jack sockets, 2 electrodes with stainless steel pins, plastic body with PVC cable (2 m long) included (any length available upon surcharge)

ALSCHU 485 OE: 2 x 2.5 mm jack sockets

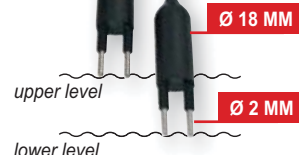
ALSCHU 485 OE/3P: 3-pole screw terminal

Dimensions: 112 x 71 x 48 mm (L x W x D)

Scope of supply: Device, manual, only ALSCHU 485: 2 electrodes

Accessories and spare parts:

Sensors see page 205



upper level

lower level

Ø 18 MM

Ø 2 MM