

Plug-in level controller

**ALSCHU 485**

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

ALSCHU 485 OE

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

ALSCHU 485 OE / 3P

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

We manufacture electrodes of any diameter and length according to your specifications.

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.

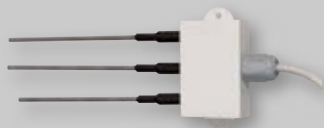
Advantages: no installation costs, only plug-in connections, ready for use within seconds, trouble-free operation as no moveable float switches are used, any electrode distance, can be set by customer up to 2 m etc

Specification:

Control device:	housing 112 x 71 x 48 mm (L x W x D). 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

Accessories and spare parts:**GNS-3P level probe 3-pin**

standard length: 15 cm,
switching distance: 1 cm, 2 m cable
further information p.r.t. page 148



Protection device for universal application

**ALSCHU 480**

Alarm protection device, plug-in for 230 V~ (with grounding contact adapter plug), with or without alarm transmitter and relay switching output (changeover contact)

ALSCHU 480 P

as above, but with volt-free switching output and durchgeschleifter Steckdose

General:

The ALSCHU 480(P) is a versatile alarm and protection device. Its universal input (3.5 mm jack bush) allows a lot of different external sensors to be connected. That includes sensors with a switching threshold <100 kOhm like water sensors, float switches, level switches, magnetic contacts, safety shut-off mat etc. In case of an alarm the internal buzzer sounds and a connected device (i.e. pump, machine) is switched on or off via the Schuko adaptor plug (ALSCHU 480). The desired switching function can be set via selector switch I / II. ALSCHU 480P switches on/off external devices via a potential-free 2-pole switching output. The Schuko socket of ALSCHU 480P is always current-carrying.

Specification:

Power supply:	220/240 V 50/60 Hz
Power consumption:	approx. 1 VA
Sensor input:	3.5 mm jack bush
Switching threshold:	input resistance <100 kOhm (eg. NPN no active, relay, reed contact, etc.)
Switching output:	
480:	via isolated ground receptacle (Schuko)
480 P:	potential-free normally open/closed contact via 2-pole cable, brought out 0.5 m
Switching function:	
I:	switching output current-carrying in alarm condition
II:	switching output currentless in alarm condition
Switching power:	
480, 480 P:	250 VAC, 10 A (ohmic load)
max 2400VA	
480 P:	120VDC, 2A (ohmic load), max. 240W
Controlling device:	112 x 71 x 48 (L x W x H), LED for operation display, device-on/off, selector switch I / II for switching function
Working conditions:	-20 ... 50 °C; 0 ... 80 % RH

Accessories and spare parts:**GWF-1S**

plug-in water sensor, 2 m

GSAS-1S

plug-in, self-adhesive magnetic contact