Miniature alarm device

HIGHLIGHTS:

- *mobile*
- *no power consumption unless alarm sounded*
- *connection of any number of sensors, separately or simultaneously*
- *loud alarm that cannot be missed.*

FOR UNIVERSAL APPLICATION

MINAL 182

Product-ID 602846
Miniature alarm device, battery operation

MINAL 282 BN

Product-ID 602847
Miniature alarm device, battery or mains operation devices without sensors

Application:

Extra loud alarm (more than 100 dB at 1 m distance), hence suitable for decentralised use (e.g. in basement etc.). After connection of various sensors device can be used as water detector, burglar alarm, fire alarm (overheating), heating failure detector, level detector, rain detector etc.

Specification:

Device:	rocker switch for tightening and alarm extinguishing, audible piezo-alarm, power consumption in case of alarm approx. 20 mA. Permanent alarm can be sounded for at least approx. 10 h.
Operating voltage:	9-12 VDC, battery 9 V, for MINAL 282 BN additional socket for plug-in of external power supply GNG09 for permanent operation. MINAL 182 only suitable for battery operation.
Sensors:	jack for connection of any sensor type (see special accessories).
Housing:	made of ABS
Dimensions:	100 x 60 x 29 mm (H x W x D)
Weight:	approx. 105 g (incl. battery, w/o sensor)
Scope of supply:	Device, battery, manual

Accessories and spare parts:

GNG 09 - 3.5KS
power supply

GWF-1S
plug-in water sensor, 2 m

GWF-1S / 5m
plug-in water sensor, 5 m

GWF-1S / 10m
plug-in water sensor, 10 m

GAZ-1
branch adapter
(required for each additional water sensor)

VEKA 2
extension cable 2 m

VEKA 5
extension cable 5 m

VEKA 10
extension cable 10 m

GSAS-1S
plug-in, self-adhesive magnetic contact

Electrode controller with two signal inputs

FIELD FRAME

2 DIFFERENT MOUNTING FORMS

SNAP-ON HOUSING

ALSCHU 300 FG

Product-ID 600476
Electrode controller in field frame for wall mounting, device without sensor

ALSCHU 300 SP

Product-ID 600479
Electrode controller in snap-on housing for DIN rail mounting, device without sensor

Application:

Automatic control of drainage pumps and waste-water 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.

Specification:

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)
Electric connection:	
ALSCHU 300 SP:	onnection via screw-type terminal
ALSCHU 300 FG:	connection via 3 PG cable glands and screw terminals
Working temperature:	-20 … +60 °C
Storage temperature:	-40 … +80 °C
Condensation:	not allowed
Housing:	
ALSCHU 300 SP:	snap-on housing for DIN rail mounting 22.5 x 75 x 110 mm (W x H x D)
ALSCHU 300 FG:	field frame 100 x 100 x 60 mm (W x H x D) without PG cable glands
Functions / displays:	
Red / green LED:	display for switching state of relay, switching state of sensors, status (supply) of device
Scope of supply:	device, manual

Accessories and spare parts:

GNS-3P
Product-ID 603170
3-pole level probe
(p.r.t. page 150)

GNS-3P-S..
3-pole level probe
with coating
(p.r.t. page 150)

GSS-1
level sensor, 2 m cable (floating switch) for electrically non-conducting media

GNS-1
level sensor, 2-pole (stainless steel electrode)

GSAS-1
self-adhesive magnetic contact,
for monitoring of flaps, etc.