

# Plug-In Alarm Type ABS

**SULZER**

Plug-in acoustic alarm for connection to a 230 V Euro socket. Designed for the monitoring of pumping station water levels, with activation by float switch, 'broken finger' switch or humidity sensor. Can be fitted with a 9 V battery to ensure continued operation in the event of a mains power failure.

## Application

For the prevention of flood damage where pumping stations are in use in domestic housing and small commercial properties.

## Features

- The Alarm Plug-In version has a potential-free NO (Normally Opened) contact. If the water rises above a given level an audible alarm will sound and the contact will close.
- The Alarm WM-Stop version has an integral Schuko 230 V earthed DIN socket into which an appliance (e.g. washing machine) can be plugged. If the water rises above a given level an audible alarm will sound and the appliance will be turned off.
- Both the Plug-In and WM-Stop alarm versions are available with a float switch (KS), 'broken finger' switch (NSM05) or a humidity sensor (Humidistat).
- The float switch activates in response to a greater allowable rise in water level compared to the 'broken finger' switch which responds to a minimal rise.
- The humidity sensor is particularly suited for use in behind-wall installations where water leakage may not be visibly evident or substantial enough to activate a float switch, but where lingering water may be causing damage.



## Safety

- The electrical connections should always be made by a qualified person.
- The unit must be totally disconnected from the mains before opening.
- The unit must only be used on an earthed 220/240 V supply line.
- The maximum voltages/currents specified in the technical data must not be exceeded.
- Only rechargeable batteries type 6F22 may be used. The battery must be attached to the enclosure lid by use of the double adhesive tape provided. The batteries must be disposed of in accordance to local laws.
- Only approved level-signalling devices may be connected to the unit.

## Technical specifications

Potential-free contact *	Max. 250 V AC, 12 A
IEC protection class: Alarm Plug-In	II
Alarm WM-Stop	I
Max. current (Schuko socket) **	16 A
Operating voltage	230 V AC, 50Hz
Power consumption	< 3 W
Temperature range - device	0 °C to +40 °C
Temperature range - level switch	0 °C to +60 °C
Temperature range - 'broken finger' switch	-25 °C to +105 °C
Temperature range - humidistat	0 °C to +60 °C
Degree of protection	IP 21
Accumulator (not included)	NiMH rechargeable battery, 9V, 6F22, 250mAh
Dimensions	126 x 78 x 91 mm

\* Alarm Plug-In only

\*\* Alarm WM-Stop only

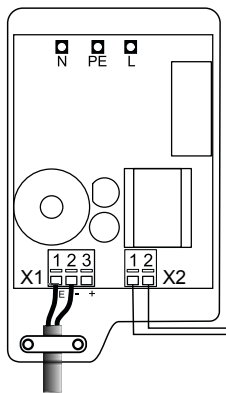
## Alarms

	Part no.
<b>Plug-In Alarm Kits:</b>	
With KS float switch	16025001
With NSM05 'broken finger'	16025003
With Humidistat	16025004
<b>WM-Stop Alarm Kits:</b>	
With KS float switch	16025002
With NSM05 'broken finger'	16025005
With Humidistat	16025006

## Accessories

	Part no.
<b>NC-AKKU</b> - 9 V rechargeable battery for mains-independent operation	12820018

## Electrical connections for Alarm Plug-In



KS and NSM05

### Terminal Block X1

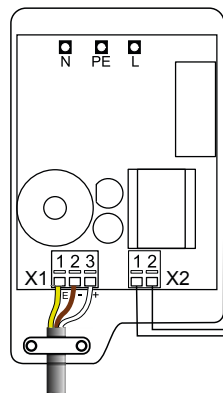
Terminal	Function
1	Contact 1 of level switch
2	Contact 2 of level switch
3	Do not connect

Note: contact of level switch closes on rising water level.

### Terminal Block X2

Terminal	Function
1	Potential-free contact
2	Potential-free contact

Note: potential-free contact closes on alert.



Humidistat

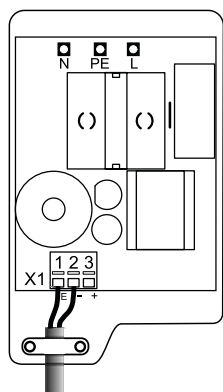
### Terminal Block X1

Terminal	Function
1	Output (E) Yellow
2	Minus (Brown)
3	Plus (White)

### Terminal Block X2

Terminal	Function
1	Potential-free contact
2	Potential-free contact

## Electrical connections for Alarm WM-Stop

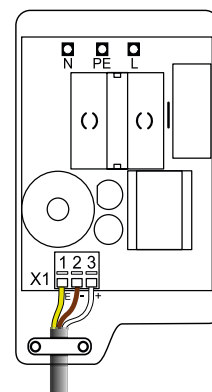


KS and NSM05

### Terminal Block X1

Terminal	Function
1	Contact 1 of level switch
2	Contact 2 of level switch
3	Do not connect

Note: contact of level switch closes on rising water level.



Humidistat

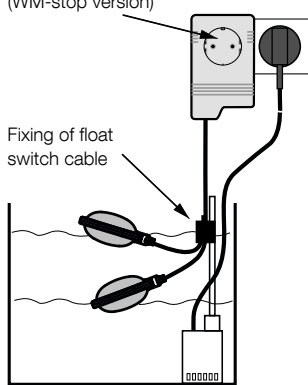
### Terminal Block X1

Terminal	Function
1	Output (E) Yellow
2	Minus (Brown)
3	Plus (White)

## Installation

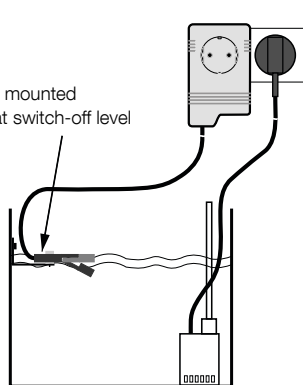
Appliance socket  
(WM-stop version)

Fixing of float  
switch cable



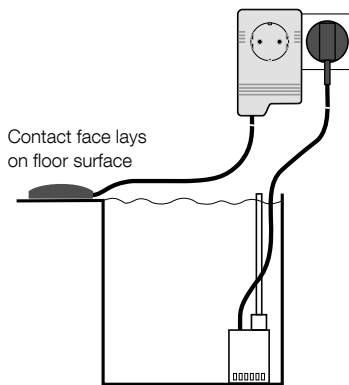
KS

Level switch mounted  
on bracket at switch-off level



NSM05

Contact face lays  
on floor surface



Humidistat