

Technical data

WATER DETECTOR WM-2

Functional principle	: DC water detector with 2 adjustable V2A-based water sensors
Assembly site	: For indoor applications
Operational voltage	: 9 - 16 V DC, also driveable with plug-power supply unit SNT 12 V
Closed-circuit current	: 1 mA at 12 V DC
Operating current	: app. 8 mA, app. 15 mA with signal transmitter
Alarm exit	: Change-over contact, max. 30 V DC / 1 A
Input	: Additional water probe WM S-2 (optional)
Acoustic alarm	: Built-in buzzer, disconnectable , app. 75 dB / 30 cm at 12 V
Optical indicator	: LED, red, flashing
Housing dimensions	: 85 x 85 x 26 mm
Housing material	: S-B or A-B-S
Temperature range	: - 10°C to + 55°C
Protection category	: VdS - environmental class II

Options

- Additional water probe WM S-2 Art.-Nr. 35107560;
up to 3 additional water probes WM S-2 can be connected on a cable length of 30 m.
- Plug-power supply unit SNT 12 V Art.-Nr. 35199800;
can be plugged with barrel connector Ø 2,1 mm into safety-low voltage switching sleeve at the housing of the water detector

Subject to technical changes

35107000.Y00

128

Installation Instruction

Model: **Water Detector WM-2**



Technical data

WATER DETECTOR WM-2

Functional principle	: DC water detector with 2 adjustable V2A-based water sensors
Assembly site	: For indoor applications
Operational voltage	: 9 - 16 V DC, also driveable with plug-power supply unit SNT 12 V
Closed-circuit current	: 1 mA at 12 V DC
Operating current	: app. 8 mA, app. 15 mA with signal transmitter
Alarm exit	: Change-over contact, max. 30 V DC / 1 A
Input	: Additional water probe WM S-2 (optional)
Acoustic alarm	: Built-in buzzer, disconnectable , app. 75 dB / 30 cm at 12 V
Optical indicator	: LED, red, flashing
Housing dimensions	: 85 x 85 x 26 mm
Housing material	: S-B or A-B-S
Temperature range	: - 10°C to + 55°C
Protection category	: VdS - environmental class II

Options

- Additional water probe WM S-2 Art.-Nr. 35107560;
up to 3 additional water probes WM S-2 can be connected on a cable length of 30 m.
- Plug-power supply unit SNT 12 V Art.-Nr. 35199800;
can be plugged with barrel connector Ø 2,1 mm into safety-low voltage switching sleeve at the housing of the water detector

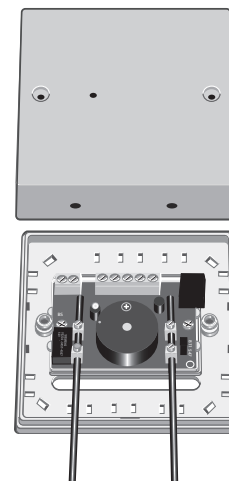
Subject to technical changes

35107000.Y00

128

Installation Instruction

Model: **Water Detector WM-2**



Description

This water detector was developed in order to meet the growing demand for a unit which warns timely before a flooding in industry-, trade- and private installations.

Ideal for the detection of:

- 1) Surface water
- 2) Monitoring the liquid level when filling liquid tanks
- 3) Water mains bursts
- 4) all conductive, non-combustible liquids

The water detector with its inserted probe (2 water sensors) is placed in an elegant ABS-housing which enables a simple wall fastening. This permits the employment of adjustable water sensors which enables a precise water detection with reaching the desired water level. The adjustable water sensors are made out of stainless steel (V2A).

The circuit points C und NC of the terminal strip are closed in static condition (alarm relay not activated). The relay tightens during bypassed wetting of the two installed water sensors and the alarm contacts open up. The LED begins to flash and the acoustic signal transmitter delivers an interval tone if it has been activated by jumper.

Signal transmitter and LED also serve for function control and monitoring. They are activated if the operational voltage is not enough or if the relay coil exhibits an interruption.

Differentiation: The alarm relay is activated solely at water inrush while the failure display is only displayed local.

Functional principle

If water or another conductive, non-combustible liquid reaches the adjusted level depending on the positioning of the adjustable water sensors, so the water detector WM-2 triggers an alarm. This is done through activation of the alarm relay and the built-in buzzer. If the liquid level reaches the standard level below the water sensors, then the device returns into static condition. The water sensors need not to be dried.

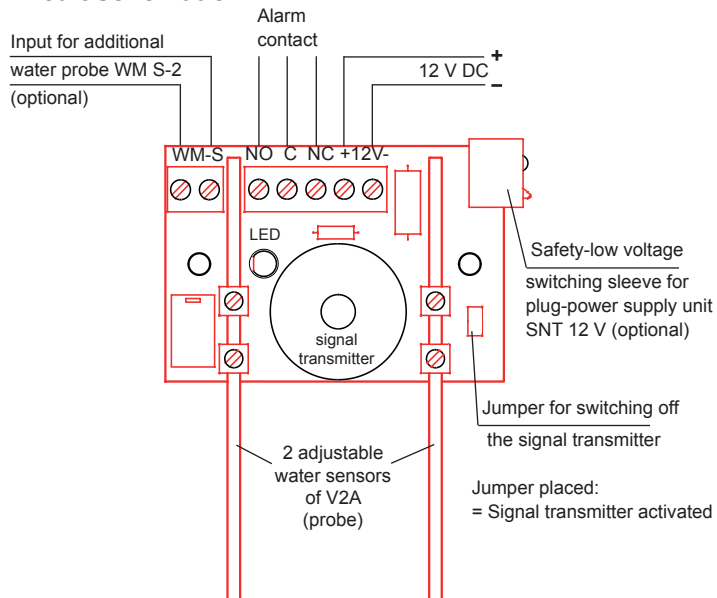
Installation

Fasten the water detector at ground level onto the wall. Loosen the retaining screws of the adjustable water sensors and set these to the desired level. Screw down the water sensors. Conduct the wiring as described below and close the lid of the water detector. Test the system.

The water detector WM-2 can be used in connection with a control unit, a dial device or an external signal transmitter.

Is to be monitored in several places, up to 3 additional water probes WM S-2 can be connected.

Circuit schematic



35107000.Y00

Subject to technical changes

Description

This water detector was developed in order to meet the growing demand for a unit which warns timely before a flooding in industry-, trade- and private installations.

Ideal for the detection of:

- 1) Surface water
- 2) Monitoring the liquid level when filling liquid tanks
- 3) Water mains bursts
- 4) all conductive, non-combustible liquids

The water detector with its inserted probe (2 water sensors) is placed in an elegant ABS-housing which enables a simple wall fastening. This permits the employment of adjustable water sensors which enables a precise water detection with reaching the desired water level. The adjustable water sensors are made out of stainless steel (V2A).

The circuit points C und NC of the terminal strip are closed in static condition (alarm relay not activated). The relay tightens during bypassed wetting of the two installed water sensors and the alarm contacts open up. The LED begins to flash and the acoustic signal transmitter delivers an interval tone if it has been activated by jumper.

Signal transmitter and LED also serve for function control and monitoring. They are activated if the operational voltage is not enough or if the relay coil exhibits an interruption.

Differentiation: The alarm relay is activated solely at water inrush while the failure display is only displayed local.

Functional principle

If water or another conductive, non-combustible liquid reaches the adjusted level depending on the positioning of the adjustable water sensors, so the water detector WM-2 triggers an alarm. This is done through activation of the alarm relay and the built-in buzzer. If the liquid level reaches the standard level below the water sensors, then the device returns into static condition. The water sensors need not to be dried.

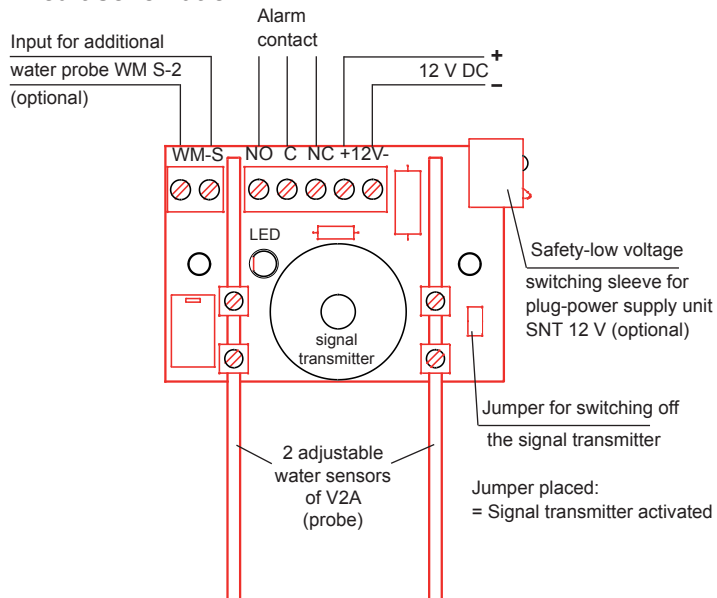
Installation

Fasten the water detector at ground level onto the wall. Loosen the retaining screws of the adjustable water sensors and set these to the desired level. Screw down the water sensors. Conduct the wiring as described below and close the lid of the water detector. Test the system.

The water detector WM-2 can be used in connection with a control unit, a dial device or an external signal transmitter.

Is to be monitored in several places, up to 3 additional water probes WM S-2 can be connected.

Circuit schematic



35107000.Y00

Subject to technical changes