OPERATION MANUAL

Rain- or leakage detector

Description

Features

- Universally applicable
- Easy technology

Areas of application

- Building automation
- Pump control
- OEM-applications
- Condensate detection

Technical data

Rain or leakage detector	
Measuring range	10...200 µS
Measuring principle	Impedance measurement
Operating temperature	-10...+60 °C
Operating voltage	12...24 V DC
Connection	Modular plug RJ12, 6-pole
Connection cable	1 meter flat cable, 6-pole, black, PP/PVC
Dimensions	(LxWxH) 70x54x5 mm
CE-conformance	2014/30/EU
EMV-noise emission	EN 61000-6-3:2011
EMV-noise withstanding	EN 61000-6-1:2007
Articleno.	H636 0002

Areas of application

The universal precipitation sensor reacts both with rain and snow and with fog. As outdoor rain detector an acustic warning signal can be triggered through the signal transmitter output. Installed under the washing machine the sensor detects leakages and can stop the water supply through the relay or activate the house alarm system .

Application instructions

The sensor as rain detector has to be installed tip-down and slightly crooked at a place which is open to precipication no matter which wind direction. The plate has to be protected against humidity at the back. If you use the Euromas-housing, the sensor face has to be luted at the back with silicon glue or sealing compound, so that no humidity reaches the inside. The sensor records the conductance of the rain water. The sensor surface is gold plated and the sensor is partially furnished with protective lacquer to reach an ideal long-term stability. The surface should be occasionally cleaned with a moistened cloth, especially if the sensor is used near a street or an industrial area. The back of the sensor can be heated to recognise rain or snow. The heating needs approx. 50 mA current and can be switched off. If you use the product as a fog detector the heating has to be switched off.

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Adjustment

The adjustment area is to vary through the potentiometer at the electronics in wide borders (see figure 1). The site identification is deactivated at the right limit of the potentiometer. At the most unsensitive position the electronics reacts not until some drops of precipitation are fallen on the sensor surface. For the most applictaions the potentiometer should be in the middle position. At the most sensitive posititon the large sensor surface reacts even to hoar frost and fog.

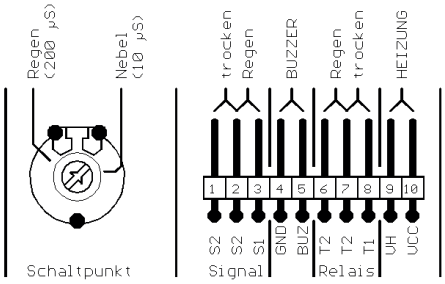
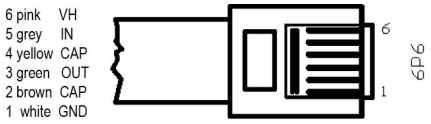


Figure 1 - Example connection to a Universal-switching module

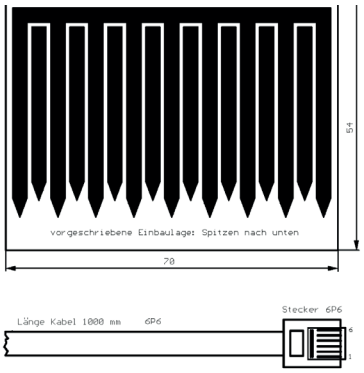
The rain and leakage probe can be connected to the following B+B devices:

Accessories	
Rain detector 12 V	REGME-12V
Rain detector 24 V	REGME24V
Leakage detector 12 V	LEME-12V
Leakage detector 24 V	LEME-24V
Universal-two point controller 230 V	0557 0005-02
Universal-two point controller 12 V	0557 0005
Universal-two point controller 24 V	0557 0005-01
Universal-switching module 12 V	0557 0002
Universal-switching module 24 V	0557 0002-01

Pin assignment



Dimensions



Attention

Please avoid extreme mechanical and inappropriate exposure.

The device/product is not suitable for potential explosive areas and medical-technical applications.

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