

AQUALARM

R7W

NR

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Ground Water Presence Detector

Applications

It gives an alert whenever there is water on the floor and avoids serious "water damage". It is installed in places such as:

- ❑ Cellar, car park, pumping room,
- ❑ boiler room, laundry room, kitchen,
- ❑ pool filtration room, control room, computer room, etc.

Introduction & Functions

Fully static in design for total reliability, it consists of an **Electronics Receiver** which delivers a 24 Vrms security voltage to power the **Sensor** which is placed on the ground.

if the water (or conductive liquid) touches the **Sensor**, the **Electronic Receiver** relay trips and its changeover contact generates an alarm, a signal or a command.

- ❑ The **Electronics Receiver** is placed in an IP65 PVC housing: There are three versions, one of which has an integrated Buzzer for acoustic signalling. All three AQUALARM versions come with ONE "Single Sensor 213 647" with two metres of cable
- ❑ The **Sensor** must be installed on the test surface - there are two types:
SINGLE sensor 213 647, consisting of a brass feeder and a 2 metre run of wire: it detects at a specific point (option to connect several sensors in parallel, see page 2/2).
BRAID sensor 216 727, sold by the metre run: whatever the portion of the braid affected, the presence of water is detected.
- ❑ Optionally, a remote Horn can be provided (220V bell).

Ordering information

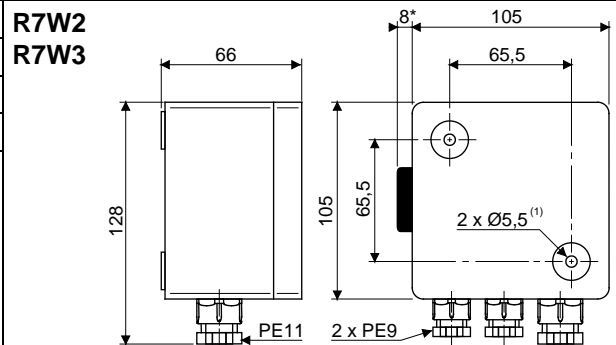
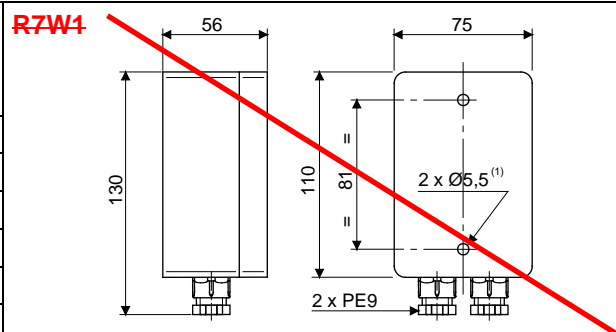
	Comes with:		R	7	W	-	-	-	-	-	-
IP65 housing	110x075x58 mm, + 2 PE9	Sensor 213 647				4					
	105x105x66 mm, + 2 PE9 & 1 PE11	Sensor 213 647				2					
		Sensor 213 647 + integrated				3					
Power Supply	AC	230V AC				2	2	0			
		115V AC				1	2	7			
		48V AC				4	8				
		24V AC				2	4				
	DC	48V DC				4	8	C			
		24V DC				2	4	C			
		12V DC*				1	2	C			
Accessories	SINGLE sensor	with 2 metres of cable with two conductors	2	1	3	6	4	7			
		Other lengths: 05, 10, 15, 20 and 25 metre runs	2	1	3	6	4	7	-	-	-
	BRAID sensor	per linear metre run	2	1	6	7	2	7			
		Bell push Ø100, IP40-7, 230V	2	1	3	6	4	9			

* A 12V DC power supply is not available for the RW73 model with integrated Buzzer.

Subject to change without notice..

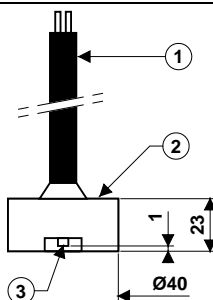


Power Supply	Standard 230V AC, +10/-15%, 50/60 Hz OPTIONAL 24, 48, 110V AC 12, 24 and 48V DC
Power	4 VA
SENSOR voltage	24V rms
Short-circuit current	6 mA rms
Detection threshold	20 k Λ typical
Output	Potential-free changeover 230Vrms, 3A, 500VA, 100W
Connection	Screwed terminal block for cable 2.5 max.
Insulation	2000 Volts
Working temperature	-20 to +60°C
Housing	IP65, dimensions: see below



(1) Wall mounting holes in the housing
* Only for R7W3 version with BUZZER

It consists of a brass feeder (2), a central antenna (3) and a two metre cable (1). It must be placed on the test surface. It is also possible to connect more than one sensor to a single electronic receiver by connecting them in parallel.



Nylon braid, width 10 mm, with two stainless steel wires.

1. Place the **sensor** on the ground where you want to monitor the presence of water.. For the single sensor 213647, option to connect more than one sensor to the same electronics receiver - they must be connected in parallel. The part of the ground where it is installed must be clean.
2. Fix the **electronic receiver** to a wall, as high as possible above the sensor, the latter being placed on the ground.
3. Wire the receiver as shown in the diagram below.

[illegible]

- A. Card fixing screws
- B. Terminal block
- C. Red LED
- D. 2-wire sensor: Terminals 6 and 8

	No water	Water leak
Red LED		
Status Relay	Rest	Energized
Status Contact		