

RAS flood sensor

Capacitive sensor for the detection of underpass flooding (RAS)

TECHNICAL FEATURES

RoHS
Compliant

WEEE
Marked

CE
Marked

Class III
Insulation

Description

Capacitive water level sensor for the RAS flood alarm system. Installed at the low point of an underpass or tunnel, it detects rising water at 13 mm level and signals the RAV/RAS control unit, which activates LED flashers, red traffic lights and the FLOODED TUNNEL message panel so drivers are warned before entering a flooded section. Highly reliable, no moving parts. The system can be powered at 230 V or from a photovoltaic kit and integrated with a 4G router for remote alarm.



CONFORMITY

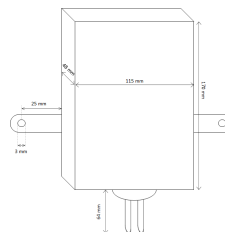
Article no.	7823100
Electromagnetic compatibility	NE 21
Degree of protection	IEC 60529
Resistance to shocks and vibrations	EN 60068-2-27 / 64

ELECTRICAL FEATURES

Detection technology	Capacitive
Power supply	10 ÷ 35 Vdc
Power consumption	975 mW
Connections	4 x 0.75 mm ² (power supply +/-; output; not wired)
Level of activation	13 mm ± 1 mm
Class of insulation	Class III

MECHANICAL FEATURES

IP degree of protection	IP65
Material	Steel
Dimensions	115 x 233 x 48 mm
Total weight	950 g
Operative temperature	-40 °C ÷ +70 °C
Fixing	Two side brackets, mounting holes Ø3 mm at 25 mm



Mounted at the low point of the carriageway; the probe (64 mm) triggers at 13 mm water level.