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DATA SHEET

LPH 10

Produal

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LPH 10 - Water leakage detector



LPH 10 is a water leakage detector that continuously monitors the water leakage sensor's resistance. The water leakage sensor (VVA or VVN) can be attached on the floor of the monitored space, for example.

When the sensor gets wet and the sensor resistance drops below the alarm limit, the relay activates, buzzer activates and the indicator light changes to bright mode. When the sensor dries and the resistance rises over the alarm limit, the relay releases and the indicator light changes to dim mode. The buzzer turns off only by pressing the *Reset* button. If needed, up to five VVA or VVN sensors can be connected in parallel.

The indicator light has two modes, dim and bright. The dim light indicates that the device power is on.

Technical specifications

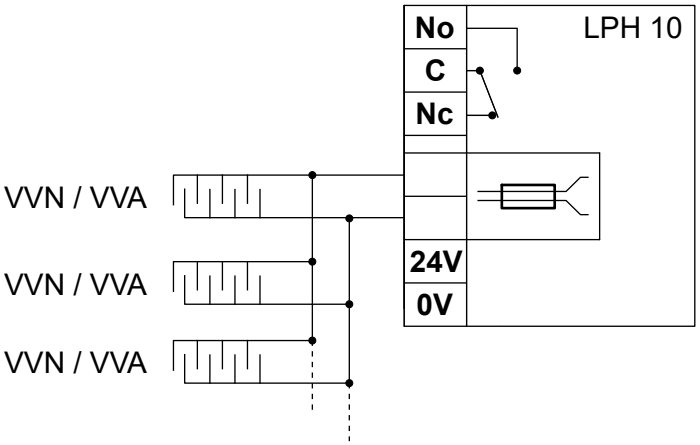
Property	Value
Supply	24 Vac/dc (20...28 V), 2 VA
Output	Potential free contact, 24 Vac/dc, 0.3 A
Leakage alarms	Indicator light, buzzer and relay output
Indicator light	
Colour	Red
Function	Dim = power on, bright = alarm active
Button function	Resets alarm buzzer after the sensor is dry enough
Appliance class (IEC 60664-1)	III
Housing	
Protection class	IP20
Materials	ABS plastic
Mounting	on the wall surface or on a flush mounting box (60 mm hole distance)
Dimensions (w x h x d)	87 x 86 x 33 mm

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Wiring

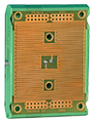
WARNING: Device wiring and commissioning can only be carried out by qualified professionals. Always make the device wirings in de-energised electricity network.

WARNING: This product is appliance class III product according to IEC 60664-1. The product may only be connected to SELV (safety extra low voltage) electricity network. This concerns also the relay connections.



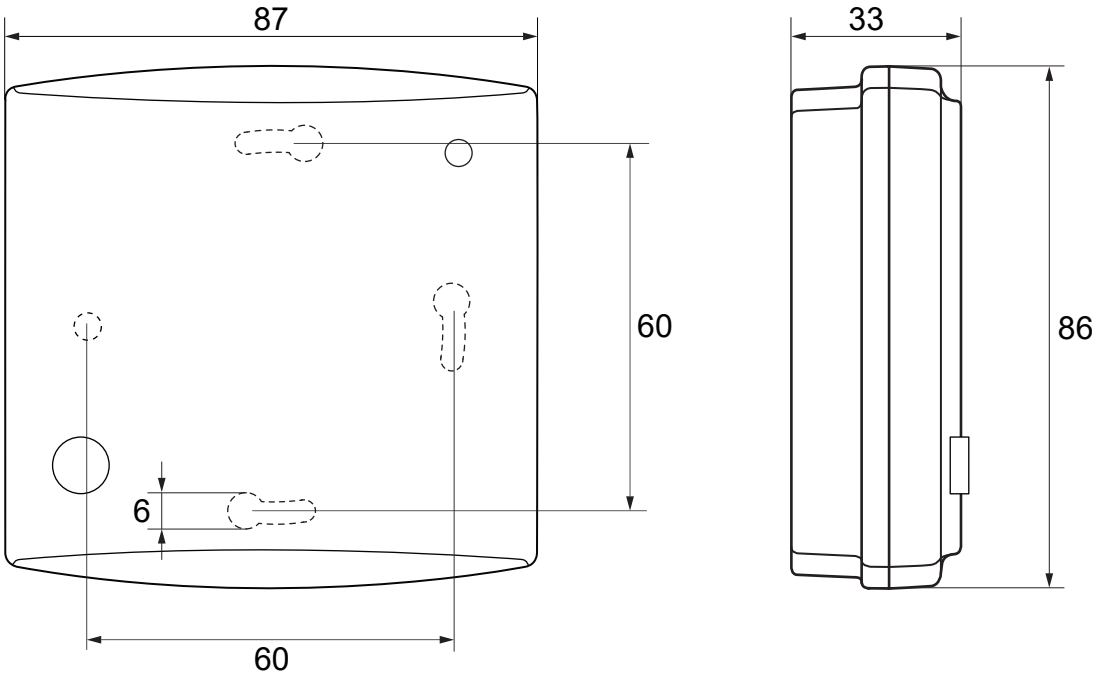
No	Relay output, 24 Vac/dc, < 0.3 A
C	
Nc	
	Sensor connection
24V	24 Vac/dc supply, < 2 VA
0V	0 V

Ordering information

	Type	Product number	Description
	LPH 10	1187010	Water leakage detector
	VVA 1	1187020	Water leakage sensor with housing
	VVA 2	1187021	Water leakage sensor, 2 m cable
	VVA 3	1187026	Water leakage sensor, 25 x 200 mm with adhesive tape, 2 m cable
	VVN 1	1187025	Water leakage sensor, 1 m cotton tape, 2 m cable
	VVN 2	1187023	Water leakage sensor, 2 m cotton tape, 2 m cable

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Dimensions



Supported standards and directives

Standard	Description
2014/30/EU	Electromagnetic Compatibility (EMC).
2011/65/EU	Restriction of Hazardous Substances (RoHS2) Directive.
(EU) 2015/863	Commission Delegated Directive, amending Annex II to Directive 2011/65/EU.
EN 61000-6-3:2020	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments.
EN 61000-6-2:2019	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments.

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