

**HPS2- Series  
(H\_Ig)**
**Surface Leakage Sensor  
with ON/OFF output**

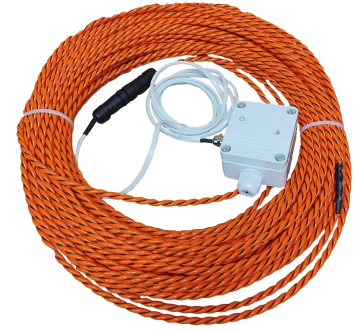
The HPS2- Series (H\_Ig) is designed to detect water leakages on surfaces

The detection point can be selected not via 2 integrated, only sensor cable.

Ajustable detection sensibility (only via integrated)

The sensor operates with lower power supply

The control output is potential free (S.P.D.T)


**USE**

Compatible to all common HVAC DDC and Analog Controls systems, with/without Building Automation System

Water leakage detection in HVAC applications

Used in all common HVAC applications

Used in Commercial and Industrial Buildings

**Features**

Control output 2-point (ON/OFF)

LED's for Operation Mode and Leakage Detection

2 integrated, gold plated measuring tips

Professional and practical product design, withstands rough environmental conditions

Easy to use, install and maintain

**Product Range**

Model	Power Supply	Sensor Output	Sensor Type	Switching Point	LED's
HPS2.DA	AC/DC 24V (±10%)	Change-Over Contact  30V / 5A	2 gold plated measuring tips	Via height adjustable screws (0...15mm)	- Operation Mode - Leakage Detection

<b>Sensor Specification</b>	Sensor Specification	Measured	Humidity
		Sensing Type	electrolytical conductance measurement
		Sensor Characteristics	Passive
		Control Mode	ON - OFF
		Switching point	typically 15kΩ
		Switch Type	potential free (S.P.D.T.)
<b>Technical Information</b>	Electrical Information	Power Supply	DC 24V (±10%)
		Frequency	-
		Relay Rating	30V / 5A
		Relay Type	potential free (S.P.D.T.)
		Terminal Clamp	Screw terminal, max. 1.3mm <sup>2</sup>
	Mechanical Information	Cable Entry	Ø4...Ø8,5mm cables
		Sensing Element Position	external, bottom of the housing
	User Interface	LED	Operation Status
			Leakage Detection
	Color and Materials	Potentiometer	-
		Housing Cover	ABS, Light grey RAL 7035
		Housing Bottom	ABS, Light grey RAL 7035
		Cable Gland	M16 x 1,5mm , grey
	Environmental Conditions	Gland Rubber Seal	Grey
		Operation Temperature	5°C...+60°C
		Operation Humidity	100% r.h., with condensation
		Transport Temperature	-35°C...+70°C
		Transport Humidity	< 90% r.h.
		Storage Temperature	-10°C...+70°C
		Storage Humidity	< 85% r.h., no condensation
	Norms and Directives	IP- Rating	IP65 to IEC60529
		Safety Class	III to EN 60 730
		Product Standard 1	Automatic Electric. Controls for household and similar use
		Product Standard 2	2009/EN 60 730-1
		CE Conformities to	2004/108/EG Electromagnetic Compatibility EMV
		CE Electromagnetic Compatibility Emitted Interference	2000/EN60730-1 Emitted Interference
		CE Electromagnetic Compatibility Interference resistance	2000/EN60730-1 Interference Resistance
		RoHS Compatibility	RoHS 3, Directive 2015/863
		Operation Climatic Condition	IEC 60 721-3-3
		Operation Mechanical Condition	IEC 60 721-3-2 to class2M2
		Transport to Climatic Condition	IEC 60 721-3-2
		Transport Mechanical Condition	IEC 60 721-3-2 to class2M2
Storage Climatic Condition		IEC 60 721-3-1	
Storage Mechanical Condition		IEC 60 721-3-1 to class2M2	
<b>Miscellaneous</b>		Accessories	n/a
	Shipping & Handling	Minimum Order	1 box with 2 pieces
		Package Material	Rigid Cardboards Packaging
	Order Notes	Order Code	HPS2.DA-CS

All Information and technical data are subject to alteration

## Installation Notes



Observe the following general regulation for engineering and implementation:

All relevant national and heavy power regulation

Other country specific regulations

Country-specific regulations

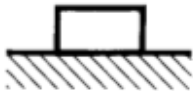
Local electrical supply authority regulation

Schematics, cable listings, dispositions, specification and arrangements from the customer or engineering office in charge

Third party specifications, e.g. general contractors or constructors

Advices

## Mounting Advices



The sensor must be mounted directly on a flat surface

By adjusting the height of the sensor legs, the switching point can be adjusted.

## Disposal Notes

The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU.



The device may not be disposed as domestic garbage.

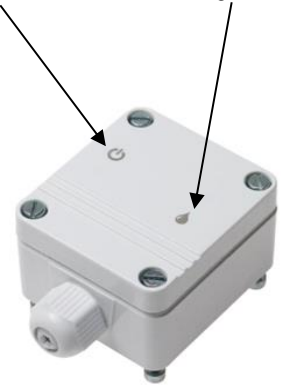
The device must be disposed through channels provided for this purpose.

It is mandatory to complying with local currently applying laws and regulations.

Dimensional Drawing



Operation Mode LED Leakage Detection



Connection

