
 TI1362en	Technical Information	
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 via 2 integrated, gold plated measuring tips

Ajustable detection sensibility

The sensor operates with lower power supply

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



USE	<p>Compatible to all common HVAC DDC and Analog Controls systems, with/without Building Automation System</p> <p>Water leakage detection in HVAC applications</p> <p>Used in all common HVAC applications</p> <p>Used in Commercial and Industrial Buildings</p>
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Features	<p>Control output 2-point (ON/OFF)</p> <p>LED's for Operation Mode and Leakage Detection</p> <p>2 integrated, gold plated measuring tips</p> <p>Professional and practical product design, withstands rough environmental conditions</p> <p>Easy to use, install and maintain</p>
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Product Range	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th data-bbox="167 1534 343 1780">Model</th> <th data-bbox="343 1534 558 1780">Power Supply</th> <th data-bbox="558 1534 853 1780">Sensor Output</th> <th data-bbox="853 1534 1077 1780">Sensor Type</th> <th data-bbox="1077 1534 1292 1780">Switching Point</th> <th data-bbox="1292 1534 1548 1780">LED's</th> </tr> </thead> <tbody> <tr> <td data-bbox="167 1780 343 2038" style="text-align: center;">HPS2.DA</td> <td data-bbox="343 1780 558 2038" style="text-align: center;">AC/DC 24V (±10%)</td> <td data-bbox="558 1780 853 2038" style="text-align: center;">Change-Over Contact 30V / 5A</td> <td data-bbox="853 1780 1077 2038" style="text-align: center;">2 gold plated measuring tips</td> <td data-bbox="1077 1780 1292 2038" style="text-align: center;">Via height adjustable screws (0...15mm)</td> <td data-bbox="1292 1780 1548 2038" style="text-align: center;">-Operation Mode - Leakage Detection</td> </tr> </tbody> </table>						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
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													

All Information and technical data are subject to alteration

Sensor Specification	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.)
Technical Information	Electrical Information	Power Supply	AC/DC 24V (±10%)
		Frequency	50 / 60 Hz at AC 24V
		Relay Rating	30V / 5A
		Relay Type	potential free (S.P.D.T.)
		Terminal Clamp	Screw terminal, max. 1.5mm ²
	Mechanical Information	Cable Entry	Ø8...Ø13mm cables
		Sensing Element Position	external, bottom of the housing
	User Interface	LED	Operation Status
			Leakage Detection
	Color and Materials	Potentiometer	Detection Sensibility Potentiometer
		Housing Cover	ABS, Light grey RAL 7035
		Housing Bottom	ABS, Light grey RAL 7035
		Cable Gland	M16 x 1,5mm , grey
		Gland Rubber Seal	Grey
	Environmental Conditions	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
	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		
Miscellaneous	Accessories		n/a
	Shipping & Handling	Minimum Order	1 box with 2 pieces
		Package Material	Rigid Cardboards Packaging
	Order Notes	Order Code	HPS2.DA

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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

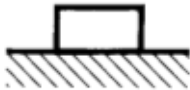
Local electrical supply authority regulation

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.

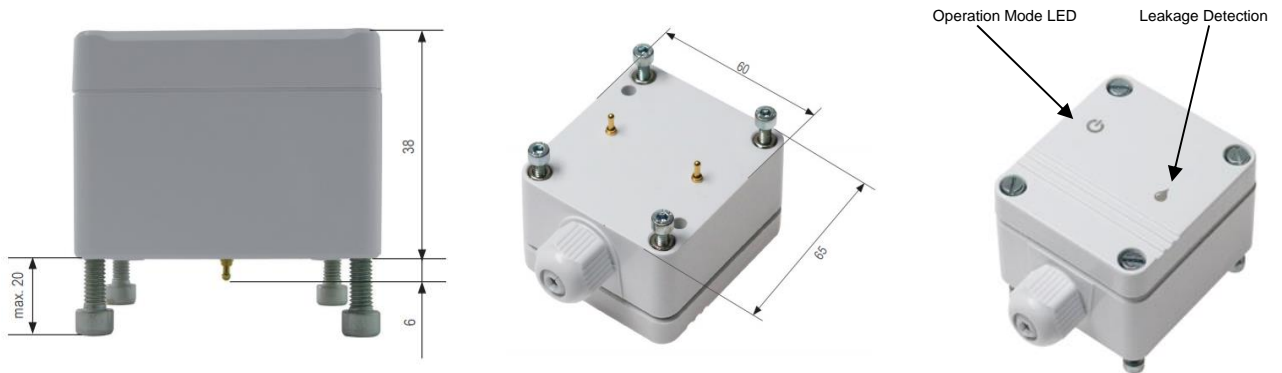


The device may not be disposed as domestic garbage.

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



Connection

