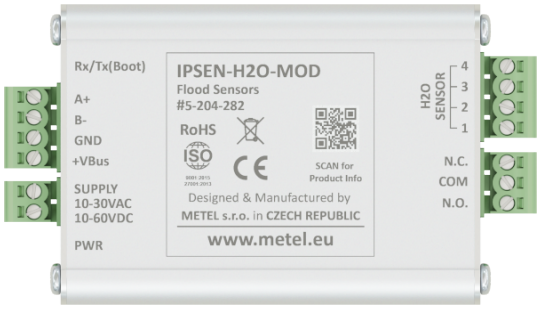
Automation systems

Short Catalog Sheet

METEL EU

H2O



- Modbus RTU interface
- Autonomous relay function
- 1x programmable relay output
- 1x input for connecting the detection cable / sensor
- 1x output +5VDC / 300mA
- Power supply 10-30VAC, 10-60VDC
- Operating temperature from −40°C to +70°C

The H2O system contains components for water leak detection. The system can operate completely autonomously with an output to a local relay or it can be connected to a Modbus-RTU bus and communicate with a PLC that sends alerts, for example via SMS.

The devices are developed and manufactured in the EU and comply with NDAA requirements.

Available models

Order name	Order code
H2O-PCB-78H	5-204-284
IPSEN-H2O-MOD	5-204-282

Technical parameters

RS485	
Modbus RTU	Compatible
Speed	max. 115200 bps
Surge protection	30 A in 8/20 µs wave
RELAY OUTPUT	
Count	1
Type of contact	Přepínací
Maximum load	62.5 VA (30 W) / 1 A / 60 V (resistive load)
POWER	
Input voltage range	10 - 30 VAC / 10 - 60 VDC
Power consumption	Max. 0.5 W
ENVIRONMENT	
Operating temperature	-40...+70 °C
Storage temperature	-40...+70 °C
MECHANICAL	
Weight	0.11 kg
Dimensions - h / w / d	30 x 51 x 91 mm

Standards and protocols

Standard	Note
Modbus	RTU

EMC and safety

Standard	Level	Note
EN 61000-6-2		Immunity - industrial environment
IEEE 1613		Environmental and Testing Requirements | Electric Power Substations
EN 50130-4 ed. 2		Alarm systems - Part 4: Electromagnetic compatibility
EN 55035		EMC of multimedia devices - immunity requirements
EN 55032		EMC of multimedia devices - emission requirements
EN 62368-1		Safety requirements of Information technology equipment
EN IEC 63000		The Assessment Of Electrical And Electronic Products With Respect To The ROHS

Notes

- The manufacturer reserves the right to change technical parameters without prior notice.

Document created on 02/10/2026 02:34AM:15