

SD-2xIn

Digital Inputs to the Portal

The SD-2xIn connecting 2x DI (Digital Input) to the Portal over LAN or WiFi connectivity.

Each DI reading 0/1 state (Dry Contact) and Portal can analyze that. Pulse outputs SO for monitoring water or gas consumption can be also connected.








The SD-2xIn is IoT Monitoring device. Portal service is required.

Portal for device management can be public service or installed in your own environment (on premise).

Free portal service (HWg-cloud.com) for up to 20 devices available. Paid portal service from several providers available (any SensDesk Technology portal).

Portal centralizes device management, remote FW upgrades, graphs, alerts by email, SMS or Voice-calls. Open API and PDF reports are also available.

You can connect:

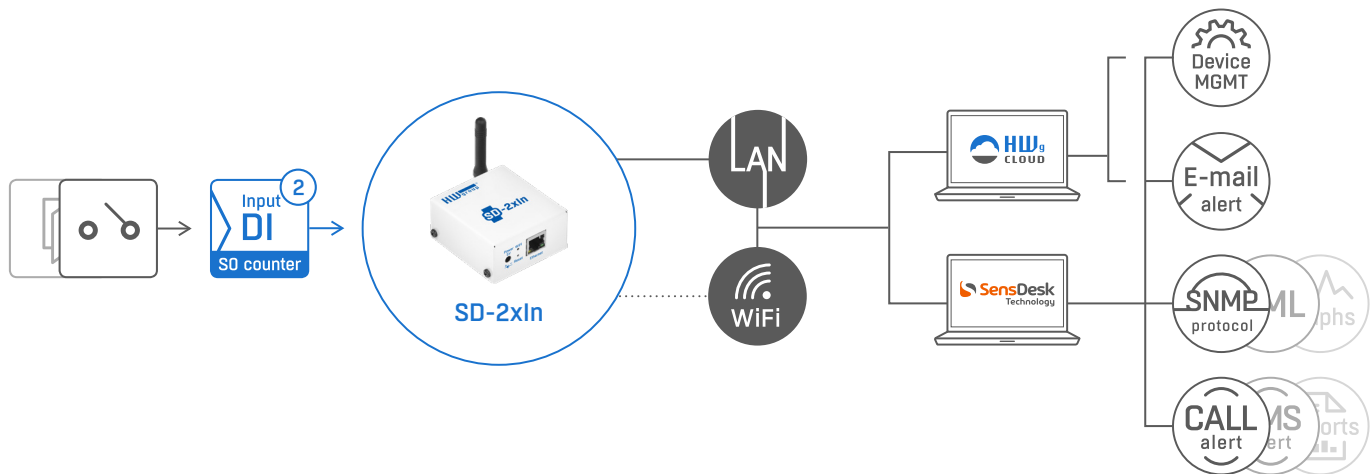
-  Dry Contact
-  Door contact
-  Power detector/switch
-  Electricity meter (pulses)
-  Water meter [m³]

Portal based services



SensDesk Technology

- The SD-2xIn device and the portal are products of the HW group and are seamlessly integrated.
- Portal will alert you by email (SMS, Voice Call) if DI is switched On/Off.
- Portal will alert you if device is disconnected for cca 1 hour.
- Alarm state (0 / 1) can be defined for each DI.
- Free cloud available (HWg-cloud.com) with graphs and device management.
- HWg Monitor mobile App can show you all detectors states in your portal account.
- SMS, Voice call alerts, or graphs & PDF reports can be used with paid portal services.



Typical applications

- Remote portal monitoring of simple detectors (door contact, smoke, power, ...)
- Metering water consumption (meter with SO pulse output)
- Metering electricity (kWh) consumption from meter with pulse output

Technical specifications

External power	5V DC / 120mA / Jack $\varnothing 3.5 \times 1.35 / 10$ mm
PoE support	Yes (RJ45 - IEEE 802.3af Class 0)
Operating temperature	-30°C to +80°C
Dimensions / weight	67×78×33 mm / 250 g
Electromagnetic radiation / EMC	CE/FCC Part 15, Class B / EN 55022, EN 55024, EN 61000

Related products



Door contact MK4

Security Door contact MK4 with 2m connection wiring.



Water meter (SO output)

Any 3rd party meter with pulse output (SO) can be connected to the Portal.



Optical Smoke Detector

Optical Smoke Detector FDR26 for smoke detection and fire alarm signalisation.



Power detector

Detector of 110/230V voltage failure, which can be connected directly to a wall plug. Galvanic insulated relay output (NO) can be connected to any digital input (DI) of any HW grup product.

Digital Inputs

Ports	2× DI (Digital Input) for dry contact
Type	Digital Input (supports NO/NC Dry contact) with SO pulse counter
Pulse counter	SO output compatible, 32-bit pulse counter, min. pulse width 20 ms
Sensitivity	1 (On) = 0-500 Ohm
Max. distance	50 m

Device connectivity

LAN	10/100 Mbit with PoE support (IEEE 802.3af Class 0)
WiFi	2.4 GHz
Compatible portals	Any portal based on SensDesk Technology is mandatory

Portal Features

Default portal	HWg-cloud.com (free service)
Compatible portals	All SensDesk Technology based portals
Mobile App	HWg monitor, SensDesk Mobile
Portal alerts	Email, SMS, Voice Calls, remote relay
Portal graphs	Graphs / Multi-graphs
Portal reports	PDF reports
Portal Open API	XML, SNMP