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## ACCESS HUB PROTECT

### Product Sheet

Our flagship access control device, used for access control, management and monitoring. It offers the best protection from vandalism, damage and extreme weather. Provides access via Bluetooth and LAN, with modular NFC and touch-button.

For other installation guides or products sheet, see [documents.sensorberg.com](https://documents.sensorberg.com)

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## PRODUCT DETAILS

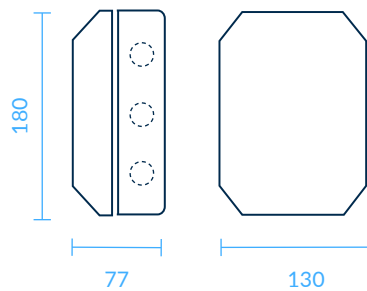
### Indoor unit

Power supply	PoE+ (12v power adapter available upon request)
Supply voltage	up to 48 V DC (commonly 12V DC, managed by PoE+ switch)
Power consumption	2-3W (idle)   11W (maximum)
Temperature	-20°C to +50°C

CPU	ARM Cortex-A53
Microprocessor	1200 Mhz
Cores	4
Memory Ram	1 GB of LPDDR2-SDRAM
Storage	4 GB eMMC storage
LED	3 RGB LEDs on the top for status indication
Other	Onboard speaker (optional sound signals) Several extension boards available (upon request)

Supports	BLE, NFC, Magnetic field technology
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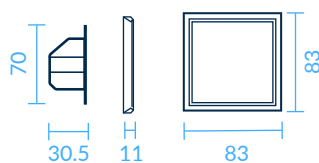
### Measures (mm)



### Outdoor unit

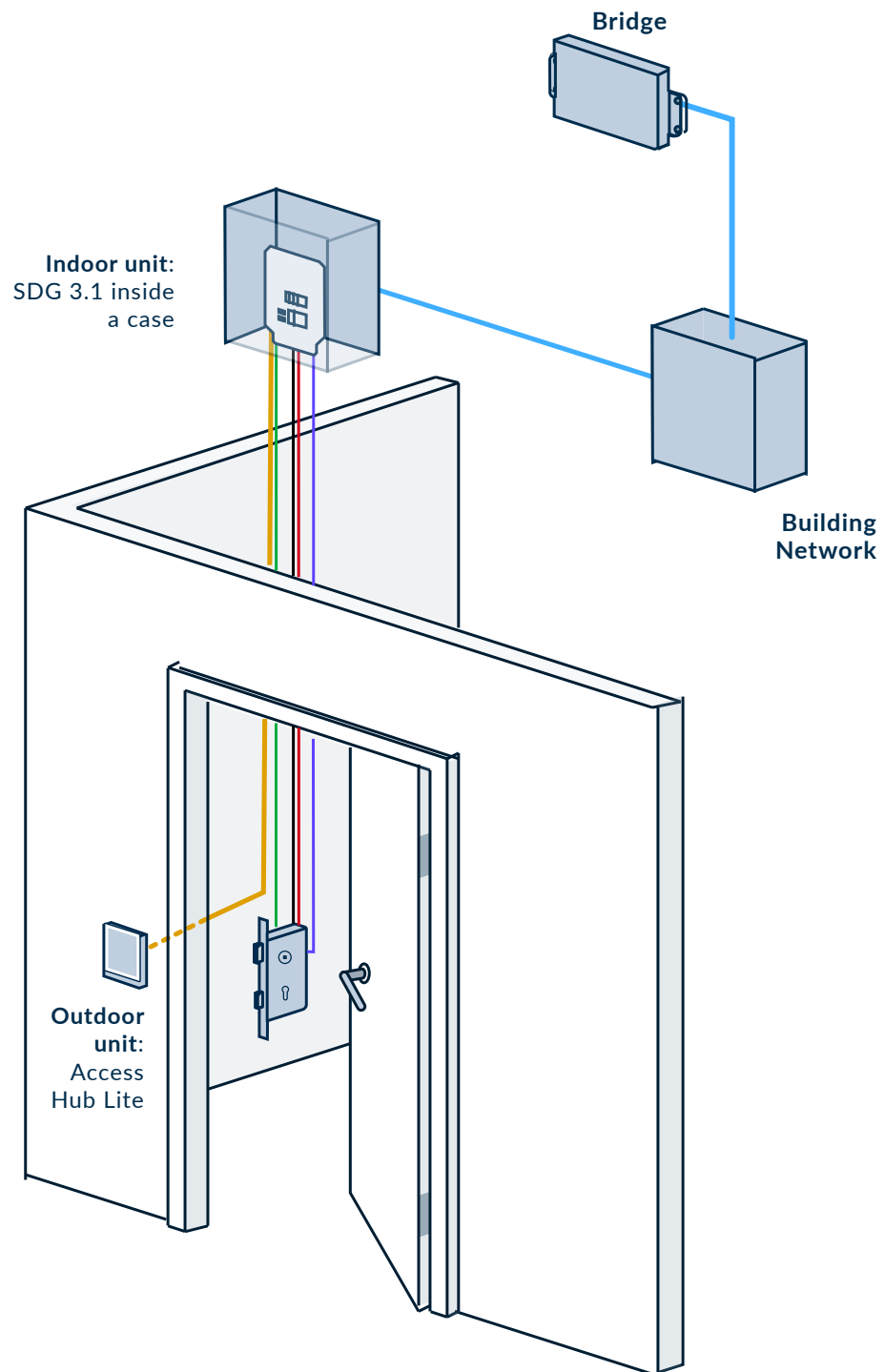
LED	3 RGB LEDs on the top for status indication
Supports	BLE, NFC, Magnetic field technology

### Measures (mm)



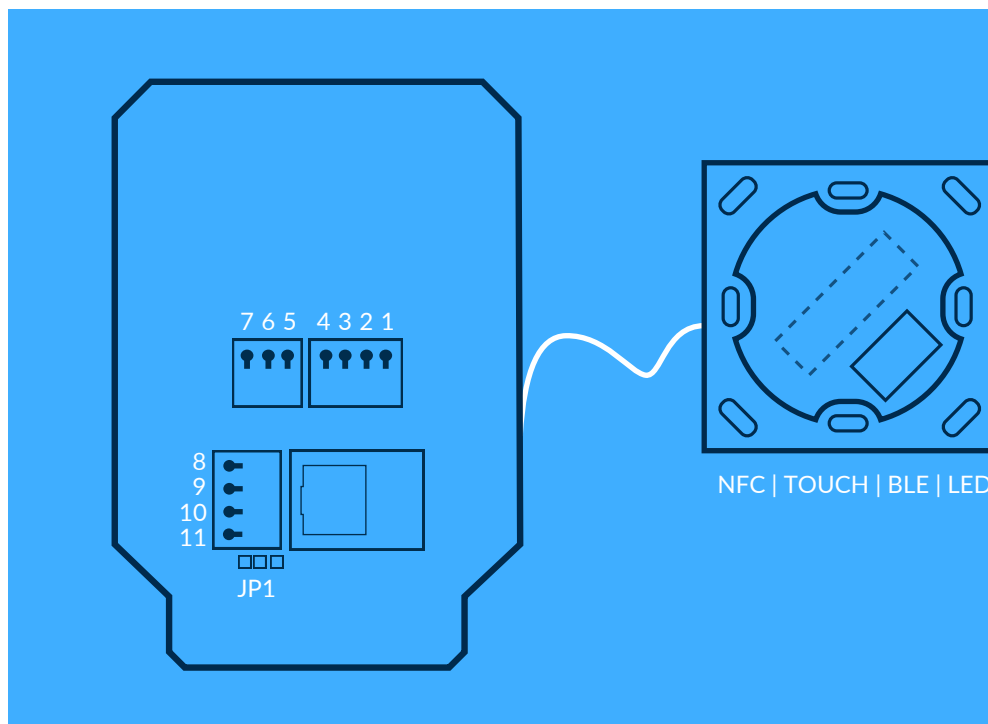
# Access Hub Protect

## How it works



- Reed contact
- Connection cable
- Trigger cable
- Power cable 2 phases

## ELECTRICAL CONNECTIONS



Terminal	Function
1	V in (Up to 48V)
2	V out (potential free contact 1   max. 600mA)
3	V out (potential free contact 2   max. 600mA)
4	V out (potential free contact 3   max. 600mA)
5	12V out for indication signal
6	Indication NO
7	Indication NC
8	Optional V in (change jumper position*)
9	12V switchable power output (max. 600mA)
10	GND
11	12V power output (max. 1A)
JP1	Jumper for door opener supply

\*Left: Normal mode 12V out on terminal 9. Terminal 8 not used

Right: Optional V in from terminal 8 used for door opener supply on terminal 9

## INSTALLATION TIPS

- The access hub next to the door will be powered with a POE+ 802.3at.
- Ethernet has to be routed in a separate VLAN, exclusive for Sensorberg devices.
- A building appliance in the server room connected in the same VLAN increases security of the solution even further.
- For further use cases Sensorberg offers multiple extension boards to control lockers, elevators, security sensors or external sensors via zWave with the same hardware.

## SUPPORTED DOOR LOCKS

### Electrical Strikes

- The Sensorberg Access Hub supports all doors that open with a 12V-24V switchable signal (e.g. door buzzer).
- It also works with motorized locks up to 48V, as long as they open with the potential free contact.

### Motorised locks, intercom and other locks

- The Sensorberg Access Hub connects to motorised locks and bell systems via a potential free contact.
- All locks that open with a potential free contact for opening are supported by the Sensorberg hardware.
- The maximum voltage input for potential free openings is 48V.