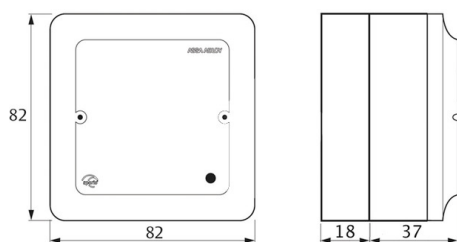


AH20 1-to-1

Wiegand interface (advanced Wiegand) communication hub For use in indoor areas

ASSA ABLOY










Product description

- For connection to EAC system via Wiegand interface
- Provides radio communication to the Aperio® door devices
- Integrated antenna with the option to mount an external antenna
- Encrypted radio communication
- For standard electrical installation boxes
- LED for status visualisation
- Additional relay outputs: These relay outputs can be connected the to the controller. The messages are fixed as follows: DPS (Door Position), RX (Request to exit), Battery Alarm Output, Tamper Alarm Output, Lock Jammed

Scope of delivery

- 1 hub with installation instructions
- Fixing screws

Technical data - Wiegand interface (advanced Wiegand) communication hub

| | | |
|---|---|--|
|  | Approvals | CE, ETL, FCC, IC, C-Tick |
| | Safety and Emissions | FCC 47CFR Part 15 subpart B and subpart C; IC RSS-210; EN ETSI 301 489-17 v2.1.1; EN ETSI 300 328 v1.7.1; EN 60950-1 ed.2 2007; UL 294-2010; C22.2 |
|  | Dimension | 82 x 82 x 37 mm (H x W x D) |
|  | Required power supply | 8 - 24 VDC |
|  | Relay Radio standard | 30VDC/1A resistive load (Advanced Version only) IEEE 802.15.4 (2.4 GHz) - 16 channels (11-26) |
| | Encryption (radio communication) | AES 128 bits |
| | Wireless operating range | Typical range of 15-25 m depending on building environments |
| | Receiver sensitivity | - 100dBm 20%PER |
| | Wireless operating range | Typical range of 15-25 m depending on building environments |
|  | Internal antenna | 2 cross polarized dipoles |
| | External antenna | One reverse polarity SMA external antenna connector. Type (dipole) and not have larger antenna gain than 3,9dBi. |
|  | Class of protection | IP 20 |
| | Operating temperature range | 5°C to 35°C |
| | Relative humidity | < 95% (non-condensing) |
|  | Door status | LED (red/green/orange) |