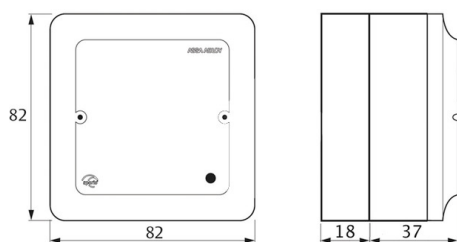


# AH20 1-to-1

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 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

## Suitable ASSA ABLOY products

- External antenna

## Technical data - Wiegand interface (advanced Wiegand) communication hub

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