

R100 Surface Mounted Reader with Apero[®] Wireless Technology

The Avigilon Access Control Manager (ACM) system utilizes ASSA ABLOY[™] Apero[®] Wireless Technology to eliminate the cost and inconvenience of wiring in and around the access door. The Apero solution can support a wide-range of applications, including interior office room doors, server room cabinets and storage lockers, glass, stone or brick entryways, slim aluminum entry doors and more.

The Securitron R100 surface mounted wireless reader offers an elegant way to extend access control to glass, stone, granite and marble entryways. The easy-to-install wireless reader requires no drilling or pulling of wires and adheres quickly to the outside of a glass door. Glass entryways can now integrate robust access control while maintaining a clean, wireless appearance.



The Securitron R100 requires minimal field configuration for quick, easy wireless deployments that eliminate the costs and inconvenience of hardwiring. It also features fully-encrypted AES 128 bit wireless communication between the R100 surface mounted wireless reader and Apero Hub to ensure data security.

Ideal for glass doors, the R100 easily integrates with the ACM[™] system. Connect the Apero Hub over RS485 to the supported Mercury panel to enable direct communication with the ACM system.

The R100 makes it easy for any company to expand the coverage of their security surveillance system quickly and affordably.

KEY FEATURES

Use existing ID badges (no keys to control or replace, no codes to secure or remember)

Easy to install and adheres directly to glass surface without any connecting wires

Provides up to 40,000 cycles of operation with a single lithium battery

Environmentally sealed electronics provides protection from moisture, heat and cold

Complements ASSA ABLOY electrified locking devices including electromagnet locks, electric strikes, electric locks and electrified exit devices. The electrified locking devices will be hard wired directly to the access control system for power.

Technical Specification

Dimensions (H x W x D)	108 mm x 46 mm x 26 mm; 4.25" x 1.8" x 1.0"
Power	CR2 Li Battery
Battery life	40,000 cycles of operation with a single lithium battery
Encryption (wireless communication)	AES 128 bit
Wireless operating range	15.24 m (50 ft.) max. distance to wireless hub
Temperature range	-40°C to 50°C (-40°F to 122°F)
Humidity range	5-95% (non-condensing)
Status Indicator	Green LED
Supported credentials	HID 125 kHz proximity or 13.56 MHz iClass

Ordering Information

AC-AA-HES-AP-R100-1-SE	R100 iClass SE reader
AC-AA-HES-AP-R100-1-PA	R100 Prox reader
AC-MER-AH30RN1-RC	ASSA ABLOY - Mercury Aperio Hub 1:8-with Avigilon Enablement SW
AC-MER-APD-10-USB	AS-APRD1/PAP1 USB radio dongle Programming Application Tool
AC-AA-HUB-EXT-10-ANT	ASSA ABLOY Aperio Hub External Antenna (Omnidirectional)
AC-MER-CONT-1DR	Access Platform EP1501 single door controller with PoE support (Mercury EP1501)
AC-MER-CONT-2DR	Access Platform EP1502 door controller (Mercury EP1502)
AC-MER-CONT-64DR	Access Platform EP2500 door controller (Mercury EP2500)

Please contact Avigilon for more ordering information

Typical Configuration

Avigilon Access Control Manager (ACM)
Professional, enterprise or virtual systems

