

WALL READER-CORE, USER MANUAL

The SecureALL wall reader-core is an RF communication device that interfaces with doors which contain both electrified strikes and panic bars for egress capability (i.e. Von Duprin hardware). The electrified strike doors come complete with a control box, typically mounted above the door or at a remote location within 100 feet of the door, into which a SecureALL interface unit is mounted and wired to the control electronics. A CAT-5 cable runs from the interface unit, typically along the door frame, to a double-gang plastic box at approximately waist height. The SecureALL reader unit is mounted in this box. The CAT-5 cable provides both power and communication between the reader and the control unit. The reader contains antennas that allow it to communicate with routers mounted throughout a building (which enables single point, central control capability), as well as with hands-free U-Keys that users carry with them which identify all portals they have access to. When a U-Key approaches a door, the reader unit communicates with it and if it determines that individual is allowed access, a signal is sent to the control box and a dry contact closure unlocks the door. There are no buttons to press and no settings to be changed in the wall reader. This is all accomplished at the factory.

The wall reader-core can also be used to control a garage gate system (i.e. Elite gate opener). The same basic cabling as described above will apply but it is most likely that there will be two reader boxes, mounted on opposite sides of the gate. This will allow for improved beam focusing as a car approaches and yield better system repeatability. A dry contact closure is used to activate the gate.

The wall reader-core can be powered by certified AC powered DC source.

The wall reader-core can be used as an automatic U-Key ID reader (similar to a Barcode reader), powered by a USB adapter that provides both power and data connectivity.

The wall reader-core can be battery operated if a customer so desires. In this case, there will be no power cabling and if RF communication is possible between the reader unit and the actuator unit, then data lines can also be eliminated. In this instance, once the reader unit is installed, the only user interaction is to replace three AA batteries when their voltage falls below a predetermined level. This is accomplished by removing the battery compartment cover, replacing the batteries and then reversing the process to put it back together again. Users change no settings in the reader unit.

FCC Caution:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.