

FAQ

DEM680E Delayed Egress Magnalock®

SECURITRON

ASSA ABLOY



Experience a safer and more open world

APPLICATION

What facilities are delayed egress solutions designed for? Why should they be used?

Delayed egress can be used in a variety of buildings and facilities: loss prevention in a retail store, patient safety in institutional applications, and can be found in any building occupancy, except H - High Hazard.

Delayed egress openings are specifically designed to prevent a door from opening immediately when someone tries to exit under normal circumstances. However, to ensure the safety of all building occupants, this special type of access control allows easy exit in emergency situations.

Delayed egress systems are required to be connected to a building's emergency service systems such as the sprinkler system, fire alarm system, and heat or smoke detection systems. Always consult your local AHJ for specific codes and amendments for your area.

Is delayed egress only used on fire exit doors or is it for other applications?

Fire doors can include delayed egress hardware, but delayed egress can also be used in a variety of other applications. Delayed egress solutions are commonly used for loss prevention, institutional applications, and can be found in any building occupancy, except H - High Hazard. Always consult your local AHJ for specific codes and amendments for your area.

FEATURES

Is the request-to-exit (REX) on the DEM680E maglock a standard or optional feature?

The DEM680E does not have an integrated REX device - such as a motion sensor or push button - but there is a bypass input on the control board that allows for the locking mechanism to be bypassed.

Is the delay timer on the DEM680E adjustable?

Yes, the standard DEM680E features configurable delayed egress settings, including a nuisance delay (0,1,2, and 3 seconds) and bypass delay (0,5,10, and 15 seconds). Refer to Diagram 32 in the Install Instructions for more information on system settings. The -CA15S/-CA30S and -CH models should be ordered to meet special delay requirements in California and the City of Chicago, respectively.

FEATURES *continued*

On the DEM680E, is door travel/movement adjustable like the iMXDa?

The Securitron iMXDa allows up to 1/4" of travel/movement before activating the nuisance delay. The DEM680E has auto calibrated door movement detection up to 1/4".

Can the DEM680E be used on single- and double-door applications?

Currently, the DEM680E is for use on interior and perimeter exit, single, out-swinging doors only. Contact Tech Support for help with specific configurations.

Can a DEM680E delayed egress functionality be shut off and used as a standard maglock (free egress)?

The delayed egress functionality cannot be shut off. However, in rare circumstances when a change in application is required (e.g. repurposing a hospital wing), the DEM680E may have the locking functionality bypassed or powered down to allow fail-safe passage.

Does the DEM680E come standard with a key switch and mortise cylinder? If so, which keyway?

Yes, the wall mounted Securitron MK Mortise Keyswitch and Securitron MKC Mortise Keyswitch Cylinder come standard with every DEM680E, which supports electric lock control, alarm panel arming, system reset, and override.

Does the DEM680E include the Door Position Switch (DPS)?

Yes, the DEM680E features an integrated DPS jumper (H3) to detect if door is open or closed. Refer to Table 1 in the Install Instructions for more information on jumper settings.

INSTALLATION

Is the mounting footprint the same for the iMXDa and the DEM680E?

The mounting footprints for the DEM680E and iMXDa are different, but a retrofit bracket is available (sold separately) for simplified installation.

Are there any optional tools which can be purchased to assist with the installation of the DEM680E maglock?

The DEM680E ships standard with an installation hardware packet. A blind nut replacement tool is available separately (p/n: BPT-2), and can be helpful with product installation.

FAQ

DEM680E Delayed Egress Magnalock®

SECURITRON
ASSA ABLOY



INSTALLATION *continued*

What is the minimum door top rail dimension for installation?

Ensure there is at least 2-1/4" between the closed door and the edge of the header. If not, a header bracket (sold separately) may be required.

What are the regional code differences required at start up?

The DEM680E is available to meet regional code differences. The California model requires a manual reset before being able to calibrate for normal functionality. The Chicago model also requires a manual reset. Refer to the Installation Instructions for further information.

What field scenarios are most likely to happen that will prevent the lock from going into delayed egress mode?

Some possible scenarios you might encounter in the field:

- Overtightening of the sex bolt screw that prevents sufficient nuisance door movement.
- Calibration with the door partially open.

Refer to the Magnalock Operational Tests and Troubleshooting Guide on pages 10 & 11 in the Installation Instructions for additional help.

ORDERING & PART NUMBERS

Can the delayed egress sign be ordered in different languages?

The delayed egress sign is only available in English at this time.

Are there replaceable parts available for this product?

There are no replaceable parts available for order at this time. Please contact our Tech Support team for specific replacement needs.

RATINGS, CODES & STANDARDS

Is the DEM680E outdoor rated?

It is not outdoor rated. Like the Securitron iMXDa, the DEM680E is for use on interior and perimeter exit, single, out-swinging doors.

What UL and state code listings are available?

- UL10C Fire Rated, 1 Hour
- CAN/UL S104 Fire Door Conformant
- UL 294
- California State Fire Marshall
- NFPA 101

SPECS

Is the DEM680E a direct replacement for an existing iMXDa ?

Yes, the DEM680E is a direct product replacement for the iMXDa and can be used in the same applications as the iMXDa. A retrofit bracket (sold separately) is required for direct replacement installs.