INSTALLATION

8 SERIES

DSS RETROFIT
ELECTROMAGNETIC LOCK ACCESSORY

RUTHERFORD CONTROLS
A DORMA Group Company

In or Out... we make it Easy!®

Instructions
(Wiring directly to the 'DSS' Option Reed Switch)

Read and conform to each of the Pre-Installation instructions supplied with Rutherford Controls electromagnetic lock.

This product must be used only with a Rutherford Controls electromagnetic lock.

Failure to conform to these requirements is a misuse of the product and could result in serious bodily injury or property damage.

1. Open wiring cavity in front of lock. For remote indication requiring a **closed** contact when door is closed, connect the **green lead (NC)** and the **black lead (COM).**

   For remote indication requiring a **open** contact when door is closed, connect the **red lead (NO)** and the **black lead (COM)**.

2. Install the DSS Reed Switch into the housing. Take care to slide the Reed Switch to the bottom of the housing to ensure reliable operation.

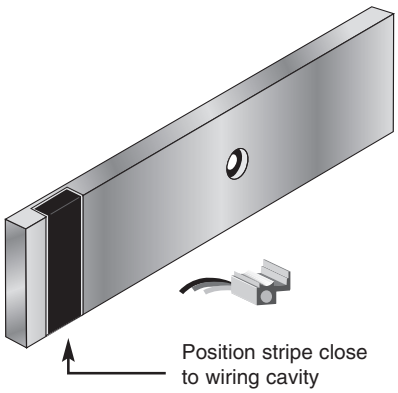
NOTE: When connecting to the reed switch leads, the connections should be soldered or correct size *Marrettes™/Wire Nuts™* must be used. The 'DSS' option reed switch contacts are rated at 0.20A @ 12VDC and 0.12A @ 24VDC. Do not exceed this rating.

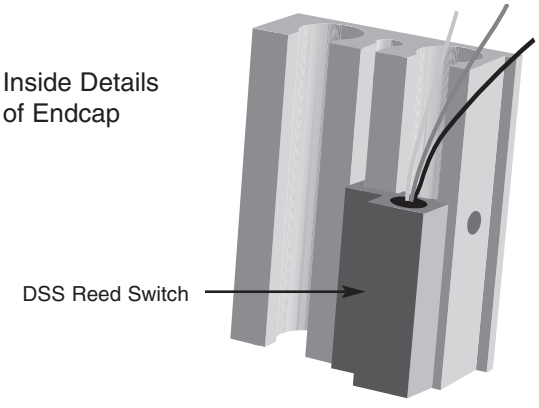
3. Replace standard armature plate with longer DSS armature plate. Apply thread locking compound to bolt before re-engaging into sexnut.

NOTE: During installation of the armature plate to the door it is essential that the armature plate remains movable. The armature plate must be allowed to pivot on the center-mounting bolt to allow proper alignment with the magnet surface. If the plate is not aligned with the magnet surface, the lock may lose holding force or not lock at all.

The head of the armature mounting bolt ships with a rubber washer affixed to it. This washer should project slightly beyond the surface of the armature plate. This is to allow the washer to expand when power is removed and break the air vacuum between the plate and the magnet surface. If this washer is removed or trimmed the lock will appear to have some holding force even when power is removed.

WARNING: Improper installation, maintenance, inspection or usage of this or any related product may cause the electromagnetic lock, armature plate and associated hardware to disengage and fall, causing serious bodily injury and property damage. Rutherford Controls Int'l Inc. and/or Rutherford Controls Int'l Corp. will not be liable to the installer, purchaser, end user or anyone else for damage or injury to person or property due to improper installation, care, storage, handling, maintenance, inspection, abuse, misuse or act of God or nature involving this or any related product.





Maintenance

This product and all related accessories or parts must be inspected and maintained on a **quarterly basis**. Contacting surfaces of the electromagnetic lock and armature plate must be kept free of contaminating materials. Surfaces should be cleaned periodically with a non-abrasive cleaner.

All mounting fasteners must be inspected on a **quarterly basis**. When properly installed the ends of the armature plate allow a slight movement, but the plate will feel secure when grasped at the bolt. There should be no movement to the mounting bracket or housing of the electromagnetic lock.

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PCN14014
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