SARGENT Wiring Instructions for Ecoflex[™] Electrified Mortise Locks* (7970,71,72,73 & 8270,71,72,73) for 12-24 Volts and Mechanical Mortise Locks with Monitoring Prefixes (RX, LX & DX) with the ElectroLynx[®] Connector System

For assistance, contact SARGENT at 800-810-WIRE (9473) or www.sargentlock.com

This instruction manual includes wiring instructions for all electromechanical 7900 or 8200 Series mortise locks with the ElectroLynx connector system. The correct wiring configuration must be selected depending on the prefix(es) and function of the mortise lock being installed. Multiple prefixes can be combined (ex: RX-LX-8270). Refer to table of contents to select appropriate wiring instruction for mortise product being installed.

Important

- Disconnect all input power before beginning installation to prevent electrical shock and equipment
- Installer must be a trained, experienced service person
- All wiring must comply with applicable local electrical codes, ordinances and regulations

CAUTION: The voltage applied to the lock actuator must not exceed 10% of rated voltage. If the voltage exceeds this value, the actuator may be damaged.

Specifications / Functions

Ecoflex Actuator

Type: 12/24VDC, Continuous Duty Actuator draw = .015 Amp Maximum 2 locks per 1 Amp power supply (1/2 Amp peak current draw) Fail Safe Models: 7970, 7972, 8270 and 8272 (each 12/24 volts) Fail Secure Models: 7971, 7973, 8271 and 8273 (each 12/24 volts)

RX-, LX-, and DX- Lock Switches

Switch contact rating for all switches: 2 AMP max @ 24VDC

RX- (lever monitor switches): The RX-7900 or RX-8200 Series mortise lock is designed to allow independent monitoring of inside and outside lever rotation. The lock uses two independent switches to separately monitor the case side and the cap side lever hub.

For LH and LHR doors, outside monitor is case side and inside monitor is cap side.

For RH and RHR doors, outside monitor is cap side and inside monitor is case side. **LX- (latch monitor switch):** The LX-8200 Series mortise lock provides positive indication of latch extension or retraction (when either lever is rotated retracting the latch, the latch is being retracted by key, or if the latch itself is depressed).

DX- (deadbolt monitor switch): The DX-8200 Series is designed to monitor the position of the deadbolt.

Table of Contents

Important/CAUTION1
Specifications/Functions1
Installation Notes
Installing And Wiring Ecoflex Electrified Mortise Locks
7900 & 8200 Series
RX-7900 & RX-8200 Series4
RX-LX-8200 Series
LX-8200 Series
Installing And Wiring Mechanical Mortise Locks With Monitoring
RX-7900 & RX-8200 Series5
RX-LX-8200 Series
RX-DX-8200 Series6
LX-8200 Series
DX-8200 Series

*Patent Pending

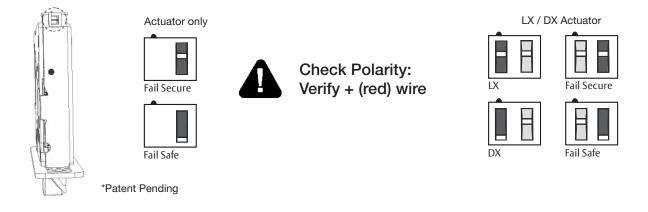




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IMPORTANT: The two-position DIP-switch settings located at the bottom of the mortise lock body must be set prior to lock installation.



Installation Notes

- 1. Install mortise lock and electric hinge. With new applications, a raceway harness with 8 & 4-pin connectors will be pre-installed inside the door by ASSA ABLOY door manufacturer when specified during ordering process. Raceway harness kits are also available for retrofit applications.
- 2. If door does not have a raceway harness with connectors, either consult factory for raceway retrofit kit or cut the connectors off product and hardwire, as required.
- 3. Wiring to pigtail harness is per facility wiring requirement. Follow individual instructions below.

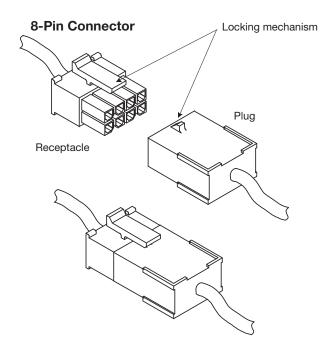
ElectroLynx[®] Connector System Notes

The system is designed to be installation friendly with connectors from the electric hinge through the door to the lock. The only wiring is to the harness which plugs into the electric hinge.

IMPORTANT:

The plug and receptacle connectors are designed to mate and lock together as shown in the illustration. Plug the connectors into each other with the locking mechanism aligned as indicated.





Hardwiring Made Easy



Look for the LYNX[™]

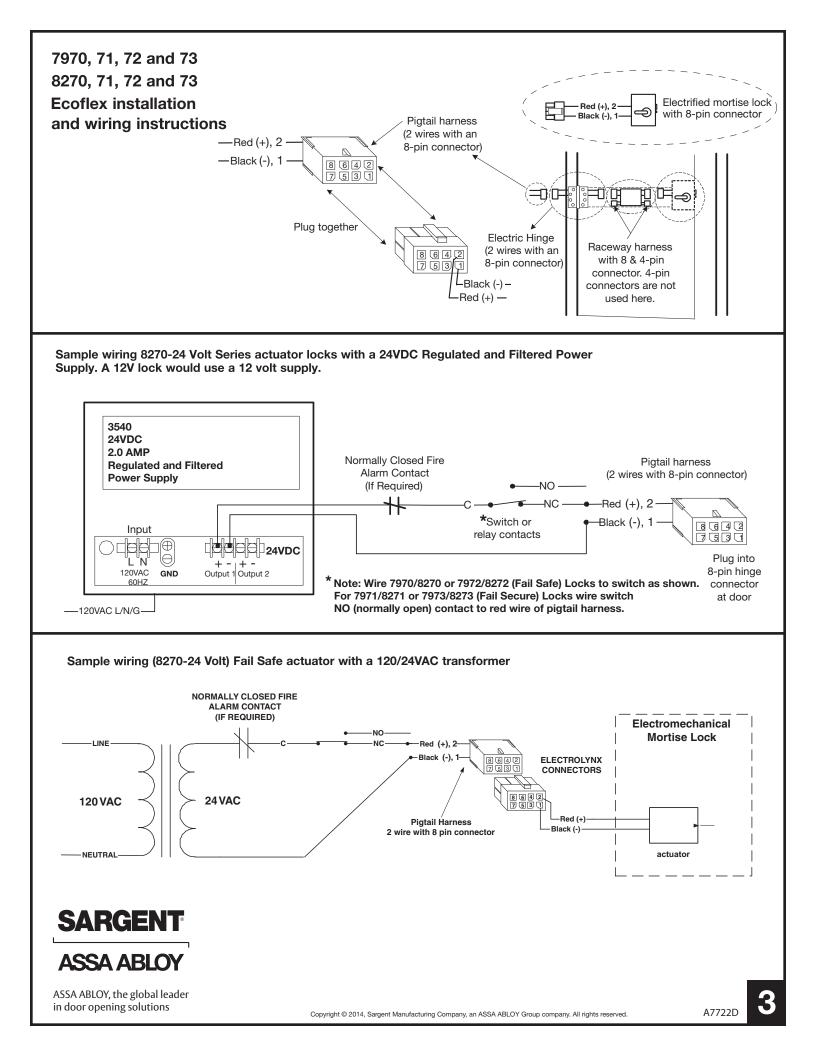
ElectroLynx®

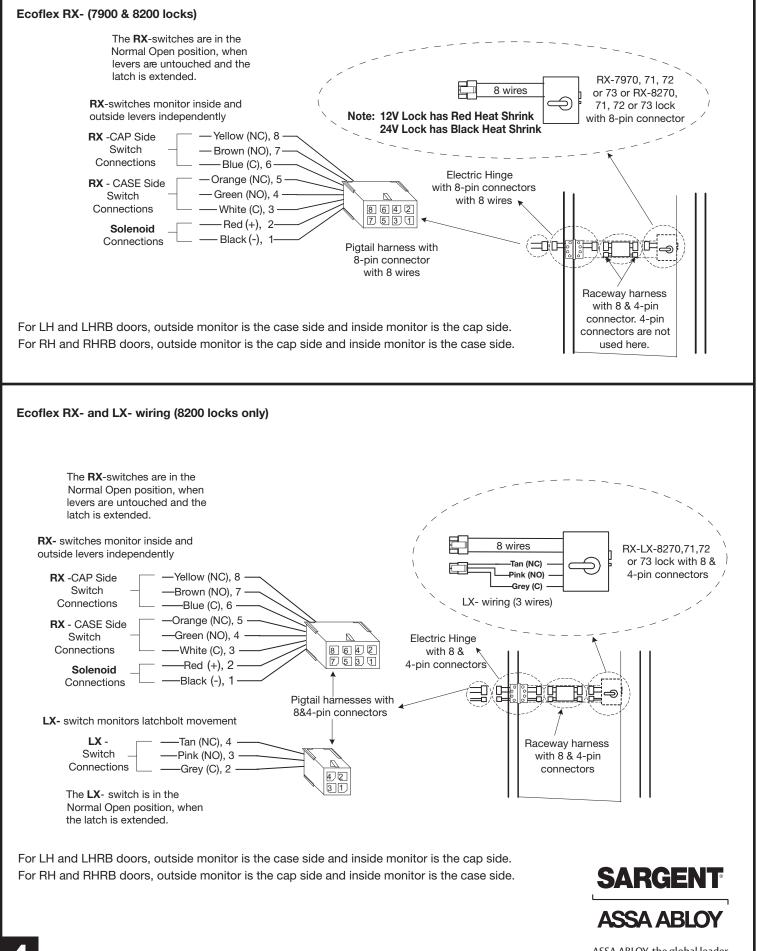
As part of their promise to provide innovative, fast and effective, and higher security solutions to their customers, ASSA ABLOY Group companies offer ElectroLynx, a universal quick-connect system that simplifies the electrification of the door opening.

ElectroLynx® is a registered trademark of ASSA ABLOY, Inc.

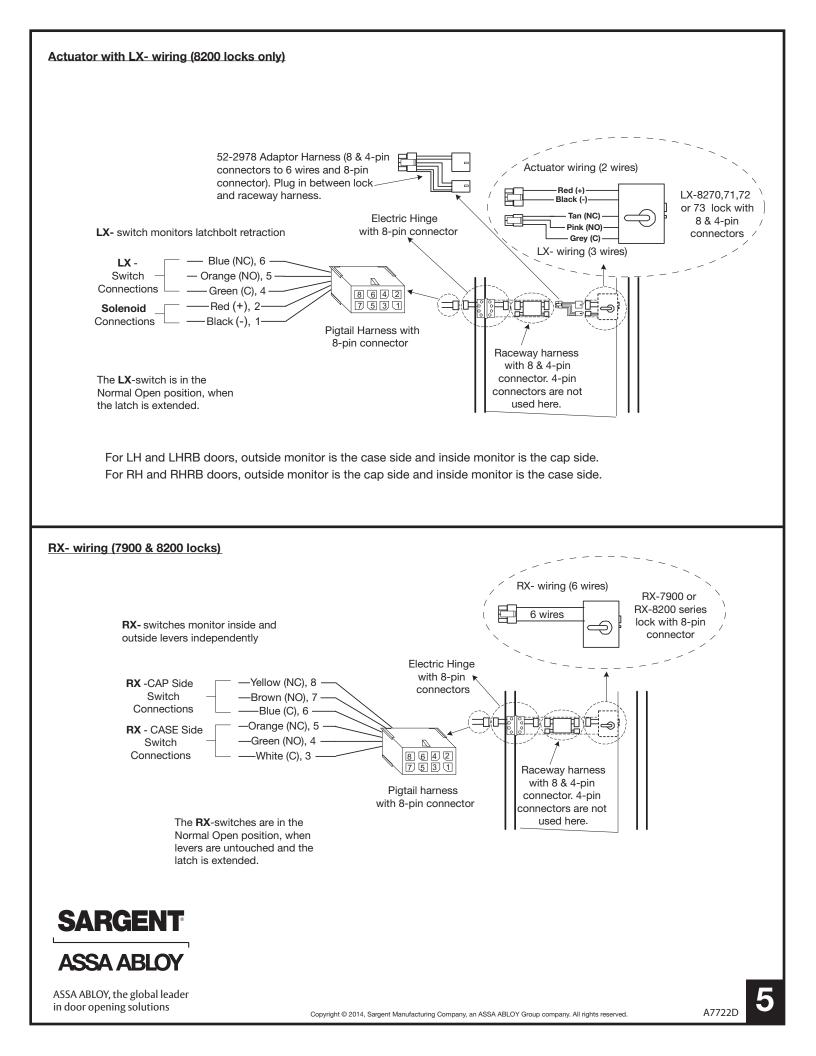


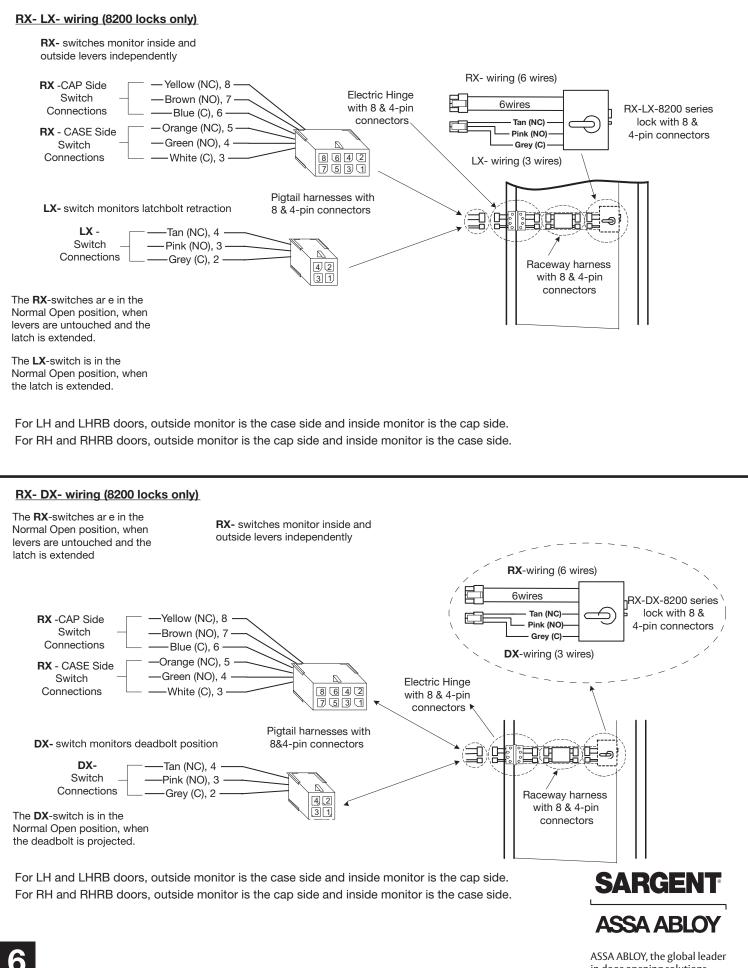
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