# SARGENT Wiring Instructions for Solenoid Mortise Locks (7970,71,72,73 & 8270,71,72,73) for 12 or 24 Volts and Solenoid Mortise Locks with Monitoring Prefixes (RX, LX & DX) with the ElectroLynx<sup>®</sup> 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 solenoid must not exceed 10% of rated voltage. If the voltage exceeds this value, the solenoid may be damaged.

# **Specifications / Functions**

#### Rectifier

12 or 24 Volt Internal Bridge rectifier allowing 12/24 VAC/VDC input power +/- 10%

#### <u>Solenoid</u>

Type: 24VDC, Intermittent or Continuous Duty Current draw: .25AMP at 24VDC Type: 12VDC, Intermittent or Continuous Duty Current Draw: .50AMP at 12VDC Fail Safe Models: 7970, 7972, 8270 and 8272 (each 12 or 24volts) Fail Secure Models: 7971, 7973, 8271 and 8273 (each 12 or 24volts)

### RX-, LX-, and DX- Lock Switches

Switch contact rating for all switches: 2AMP 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.

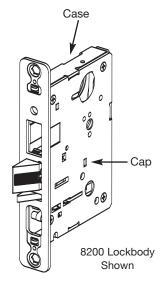
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RX-7900 & RX-8200 Series	
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LX-8200 Series	
DX-8200 Series	











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kits are also available for retrofit applications. pre-installed inside the door by ASEA ABLOY door manufacturer when specified during ordering process. Raceway harness 1. Install mortise lock and electric hinge. With new applications, a raceway harness with 8 & 4-pin connectors will be

off product and hardwire, as required. 2. If door does not have a raceway harness with connectors, either consult factory for raceway retrofit kit or cut the connectors

3. Wiring to pigtail harness is per facility wiring requirement. Follow individual instructions below.

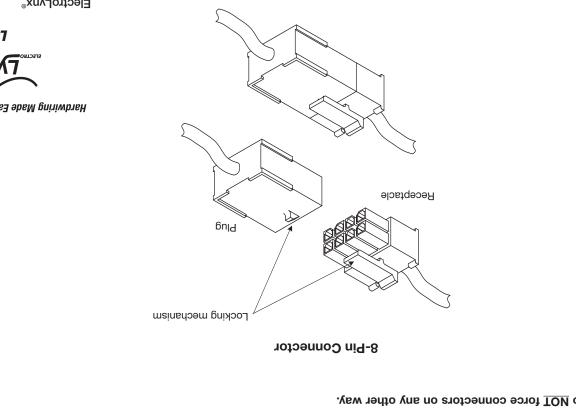
## ElectroLynx® Connector System Notes

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

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

### Do NOT force connectors on any other way.



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

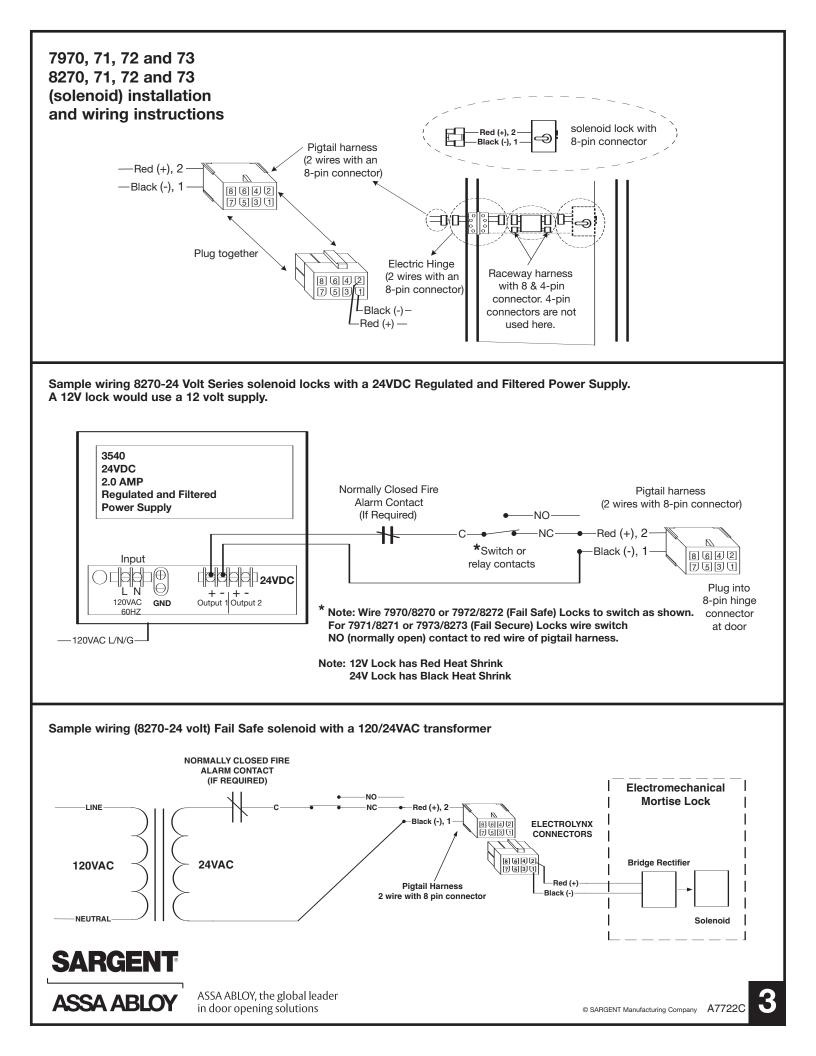
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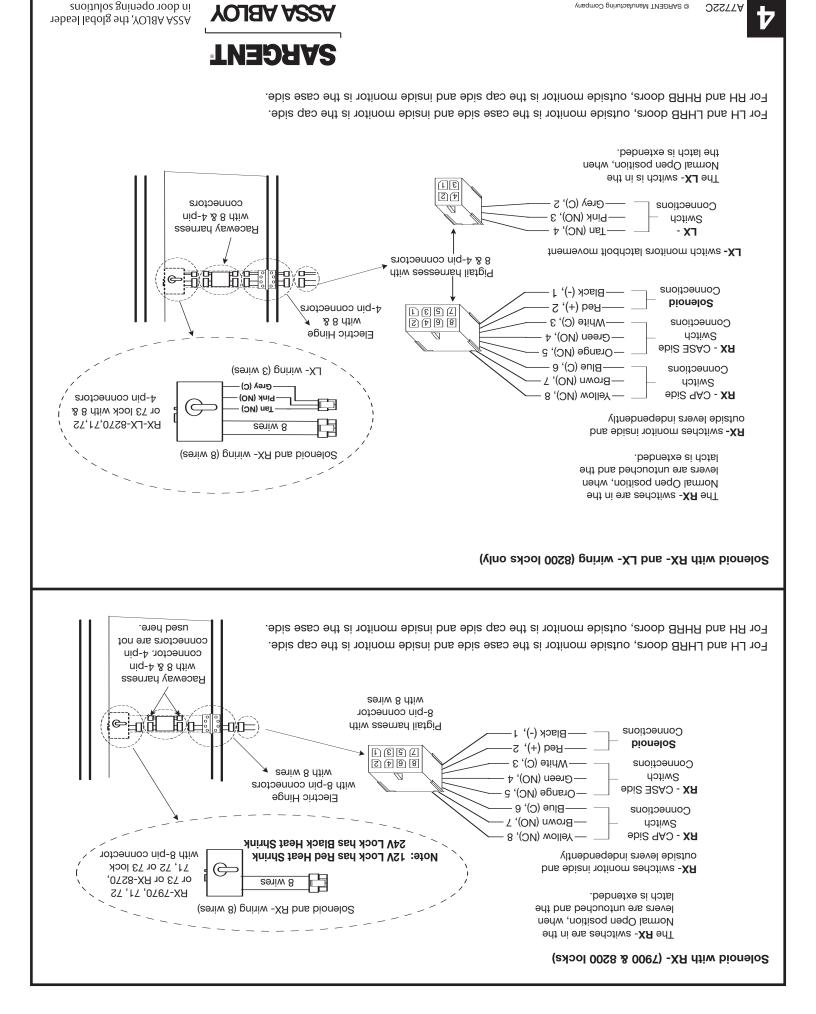


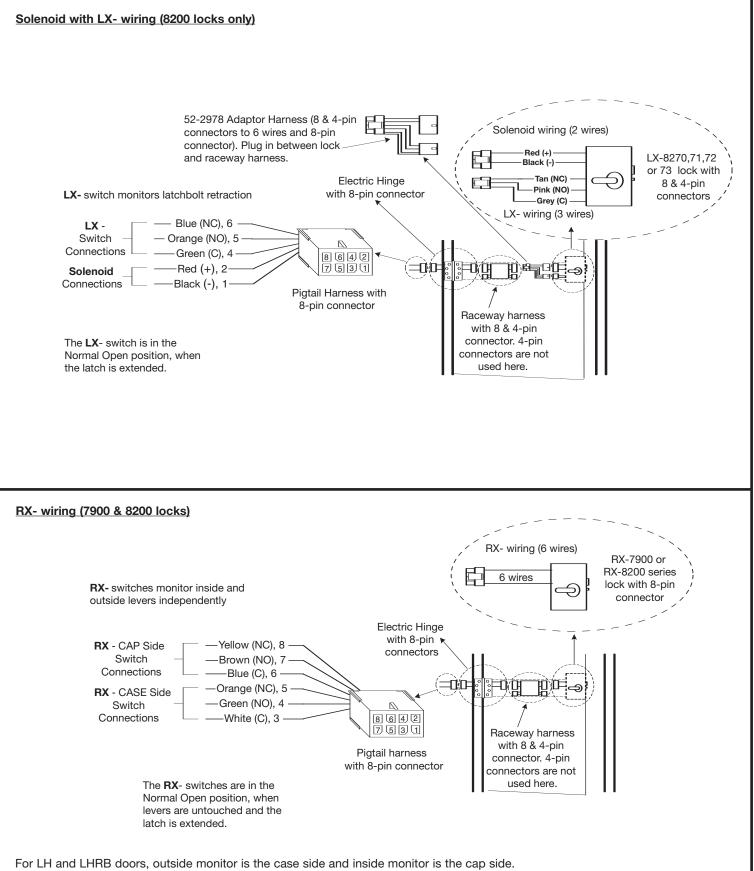
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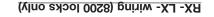


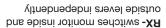


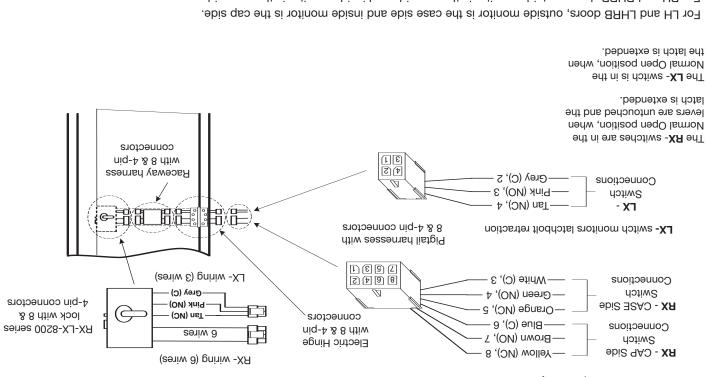
For RH and RHRB doors, outside monitor is the cap side and inside monitor is the case side.



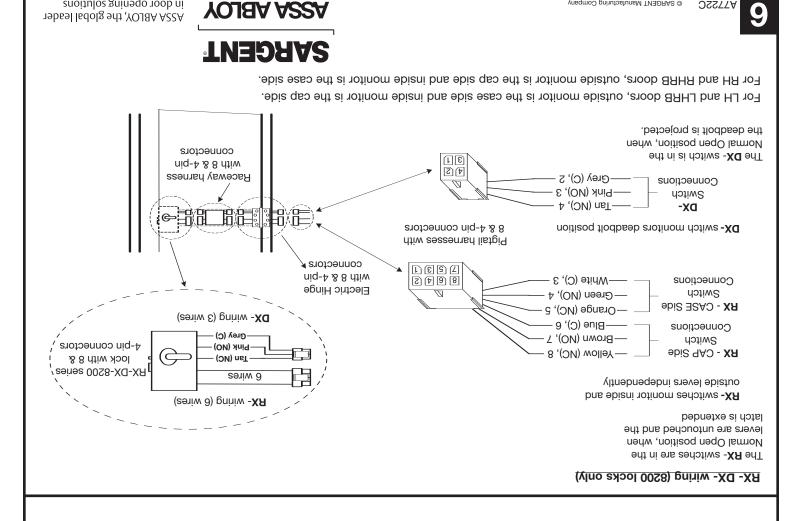
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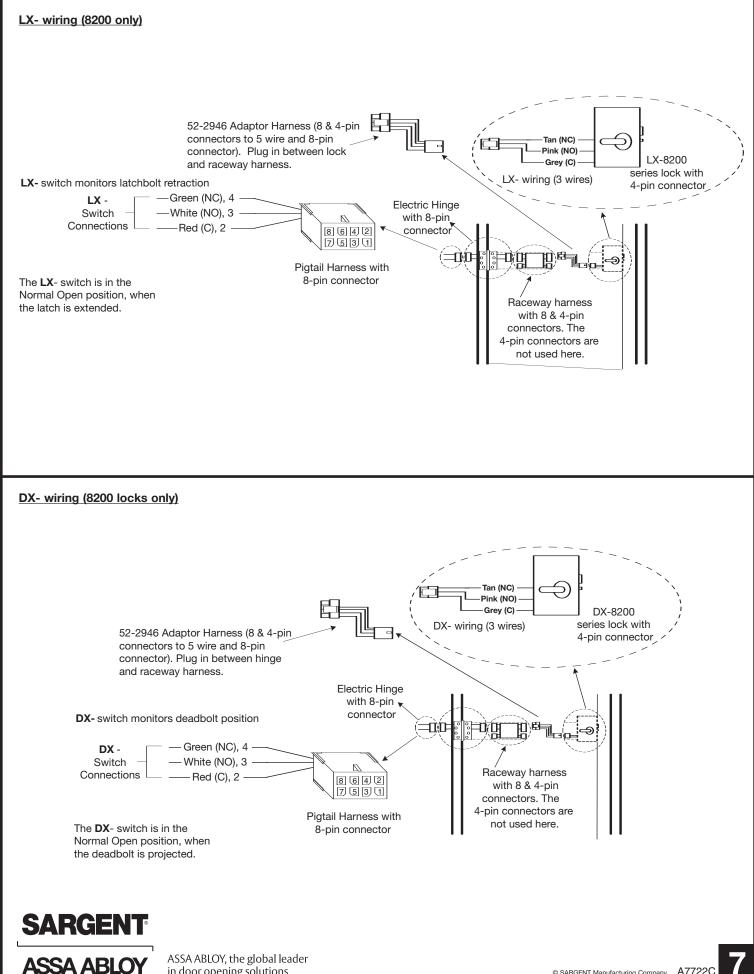




For RH and RHRB doors, outside monitor is the cap side and inside monitor is the case side.



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