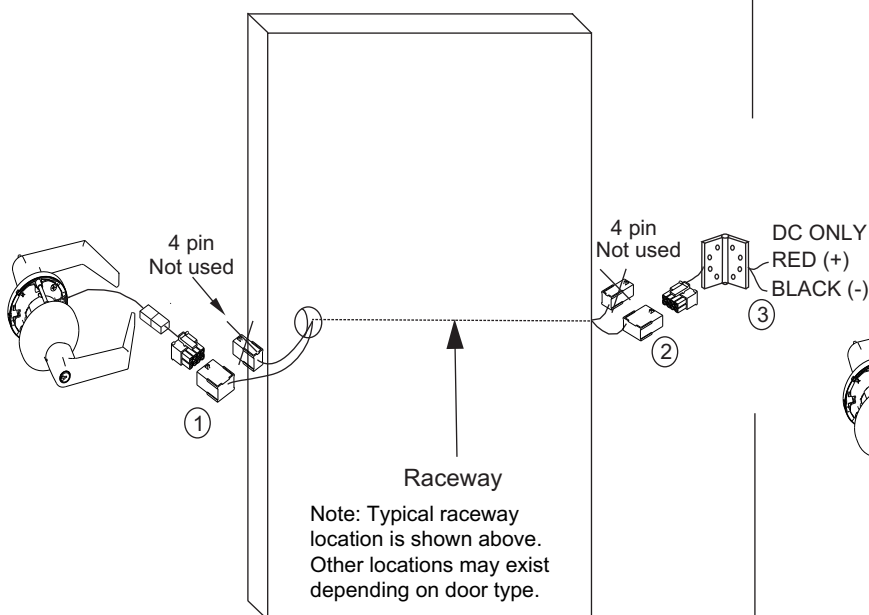




- 5490LN/5491LN Electrified (12 / 24VDC)
 - "ElectroLynx Hinge Connector System"
 - REX (Request to Exit)
- Wiring Instructions**
80-9470-0011 Rev. C

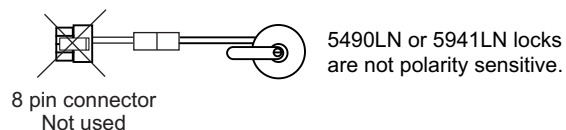
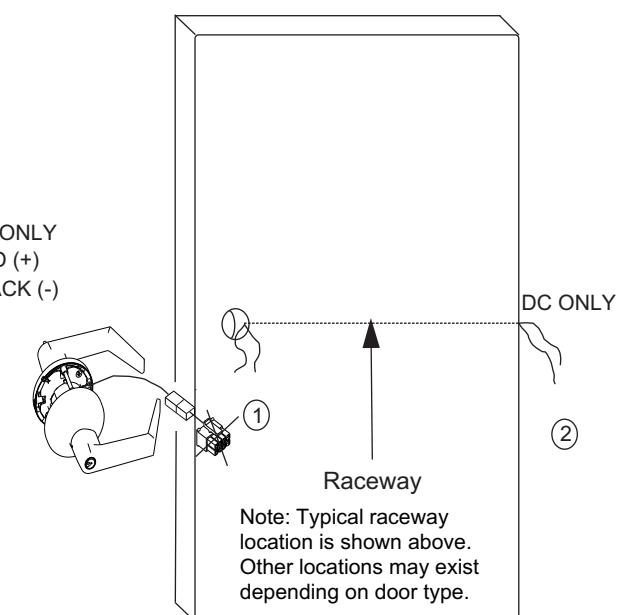


5490LN/5491LN Installation with an ElectroLynx Door



- 1 Plug lock connector into mating 8 pin door connector. Install lock as per instruction sheets included. (80-9150-0056)
- 2 Verify that the hinge is connected to the door connector.
- 3 Wire hinge to power source. Refer to back side of page for wiring of the electric hinge.

5490LN/5491LN Installation without an ElectroLynx Door



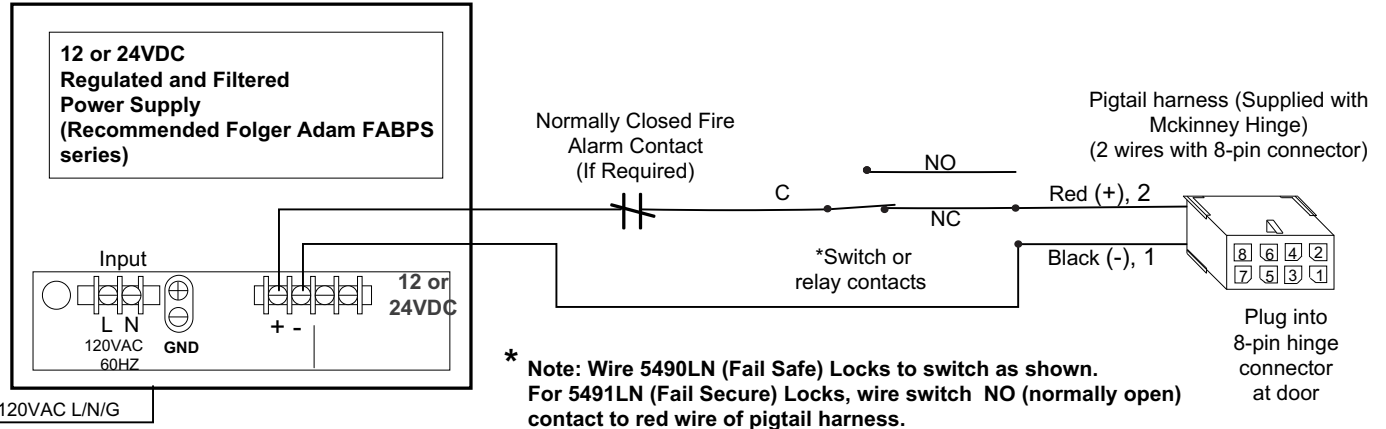
- 1 Cut the 8 pin connector from the lockset and strip the remaining wire to 1/4". Strip wires from raceway and connect the two ends. Exposed wire must be insulated to prevent fire or shorting of the lockset. By using this method the lockset can be easily disconnected at the remaining connectors if service is required to the lockset.
- 2 Wire lock to power source. Refer to back side of page for wiring of the electric hinge.

Installation Notes

1. With new applications a raceway harness with 8 and 4 pin connectors will be pre-installed inside door by Assa Abloy door manufacturer when specified during ordering process. Raceway harness kits are available for retrofit applications and for doors manufactured by non-Assa Abloy manufacturers.
2. Wiring to pigtail harness is per facility wiring requirement. Follow individual instructions below.
3. If door raceway connectors are not present remove lock connector and follow wiring in Option A & B.

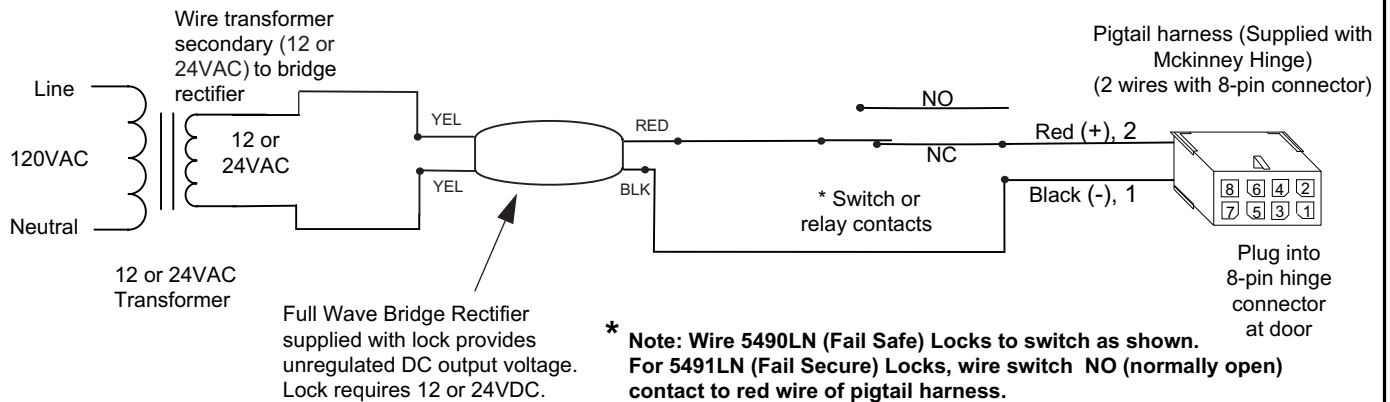
Option A

Sample wiring 5490LN series solenoid locks with a 12 or 24VDC Regulated and Filtered Power Supply (Wiring shows power on and lock in secure state)



Option B

Sample wiring 5490LN series solenoid locks with a 12 or 24VAC Transformer and Bridge Rectifier Supply (Wiring shows power on and lock in secure state)

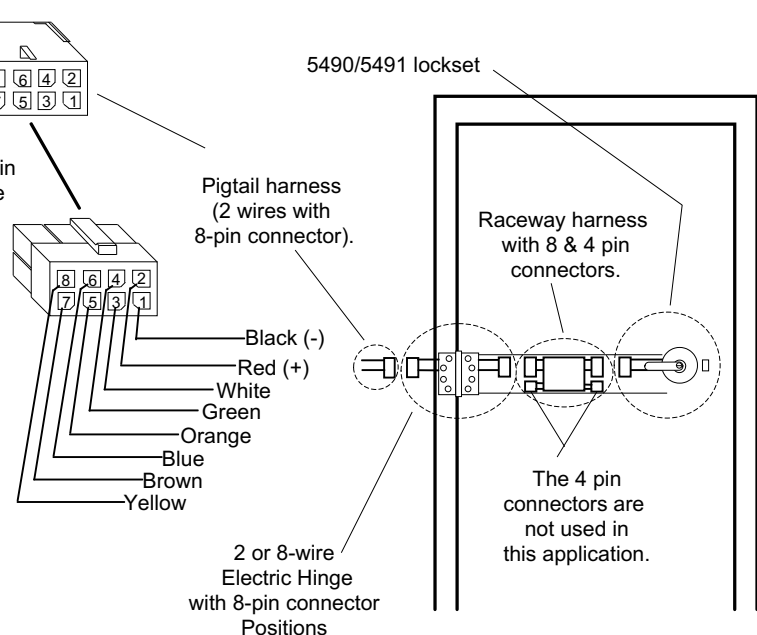


Electric Hinge Wiring

1. Wire option A, B (see above) or other wiring requirement to pigtail harness of the hinge.
2. Ensure proper supply voltage is being applied at pigtail harness.

CAUTION: The DC voltage must not vary beyond 12V+/- 10% or 24V+/- 10% depending on lock solenoid installed. If voltage exceeds these values the lock solenoid may be damaged or not function correctly.

3. Plug pigtail harness 8-pin connector into electric hinge 8-pin connector.
4. Test lock - Applying 12 or 24VDC unlocks fail secure lock and locks fail safe lock.



REX (Request to Exit)

Wiring Instructions

5400LN Electrified

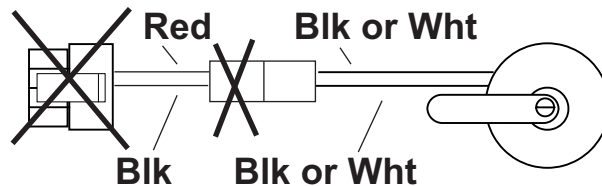
5400LN Mechanical

The "REX" Feature can be used with 5400LN series Electric or Mechanical locksets. This page applies to installation of both. The "REX" option can be shipped with the lockset or purchased as a Retro-fit kit for existing applications.

If the "REX" option is used with an Electric lockset (5490LN/5491LN) see steps 1 thru 3. If the "REX" is used on a Mechanical lockset skip to step 3. In both cases refer to the installation instructions provided with the lockset. The below steps are provided as a guide to aid in installing the connectors.

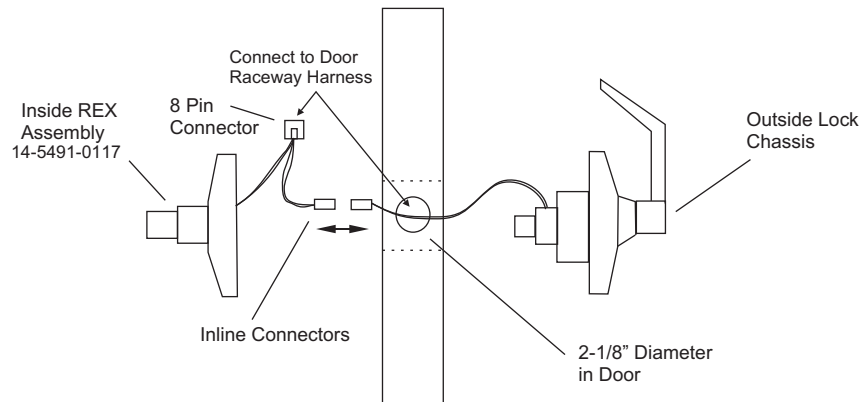
Step 1

Current 5490LN & 5491LN locksets are configured from the factory to be used with ElectroLynx. They are also configured to be used with or without the REX option. On the lockset disconnect the inline connectors and dispose of the 8 pin connector and 1 inline connector when the REX option is being used.



Step 2

Connect the inline connector of the lockset to the inline connector of the REX Inside Assembly through the 2-1/8" hole of the door. **Caution:** Do not allow the lockbody to hang off the wires.



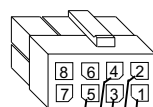
Step 3

Connect the 8 pin connector of the REX assembly to the 8 pin connector from the raceway of the door. Excess wire and the connector should be inserted to raceway to avoid pinched or cut wires. Insert the outside lock chassis through the 2-1/8" hole. Carefully install the inside REX assembly (refer to lockset installation instructions). Again avoid pinching or cutting the wires.

Note:

Refer to the below illustration for wire definitions.

8 Pin Connector



BLACK (-) 5490LN/5491LN LOCK IS NOT POLARITY SENSITIVE

RED (+) 5490LN/5491LN LOCK IS NOT POLARITY SENSITIVE

WHITE COMMON

GREEN NORMALLY OPEN

ORANGE NORMALLY CLOSED

} Fail Safe/Fail Secure wiring

} REX wiring

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