



RY-1824L



19310 0519

RY-1824L

Form C Door Release Relay for AX, KB, JF, JO, and JP Series

- INSTRUCTIONS -

The RY-1824L door release relay module is an interface between the door release contact on the Aiphone master station or CEU and the actual release mechanism. The contact closure directly from the master station or CEU has limited voltage and current capacity. Use the RY-1824L to ensure that the contact rating will be sufficient for the electric strike or magnetic lock used. The relay's contact rating supports a majority of door release hardware available. This relay is recommended for all AX, KB, JF, JO, and JP Series systems when using door release and will protect the built-in contact from possible surge damage.

(Note: Use the RY-3DL when releasing more than two doors in a JP Series, or more than one door in a JF or KB Series).

INSTALLATION:

1. Install near the power source for the door release mechanism, or behind the master station or CEU.
2. Secure wire connections with proper termination, such as wire nuts or crimp connectors.
3. Trim the wires to the desired length.
4. Trim the unused contact wire so the bare strands are not exposed.

WIRING DIAGRAMS:

JP Series Wiring



RY-1824L COLOR CODE:

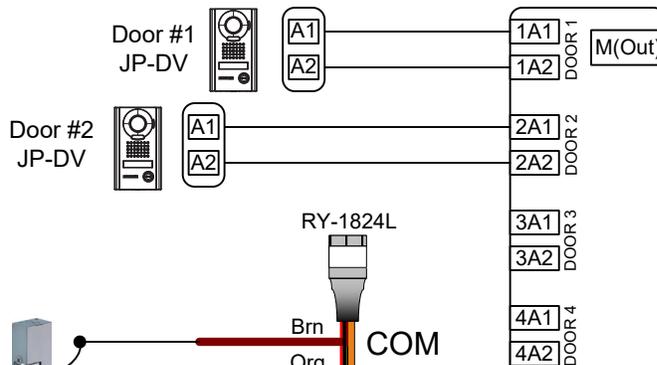
Input of Relay:

Red: (+) Positive
Black: (-) Negative

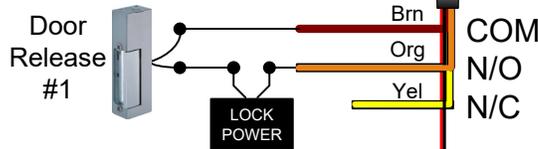
Output of Relay:

Brown: Common
Orange: N/O contact
Yellow: N/C contact
(See contact rating specs on page 4)

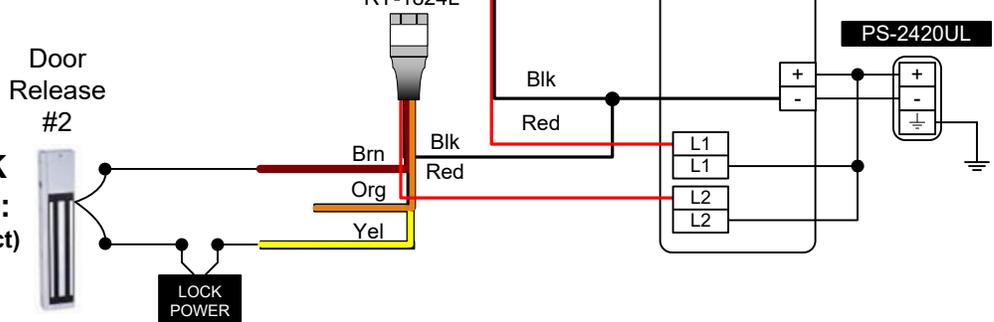
JP-4MED



ELECTRIC STRIKE WIRING METHOD: (Normally Open contact)



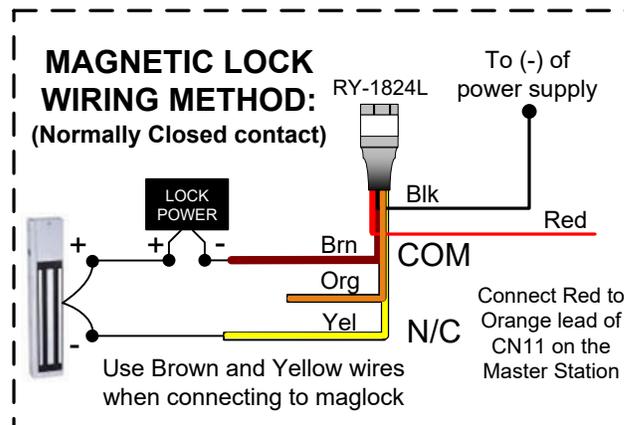
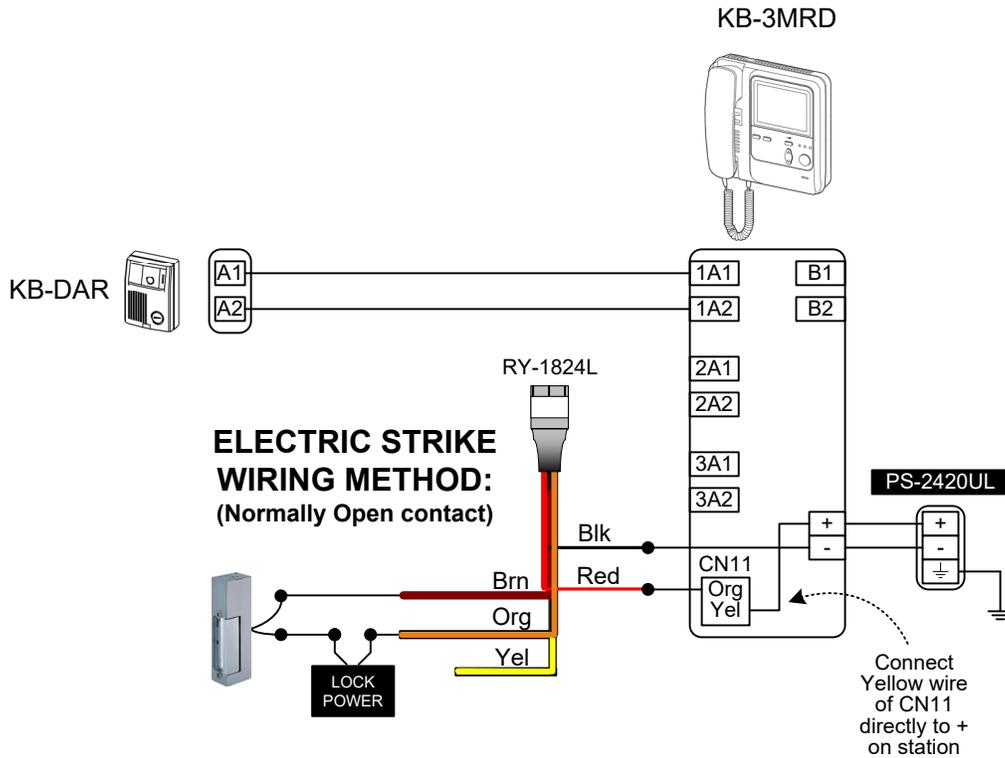
MAGNETIC LOCK WIRING METHOD: (Normally Closed contact)



NOTE: The door release contacts on the station are rated at 24V AC/DC, 500mA. The RY-1824L should be used in any application where the strike or maglock has a higher voltage or draws more current. Otherwise, internal damage to the master station could occur.

WIRING DIAGRAMS (cont):

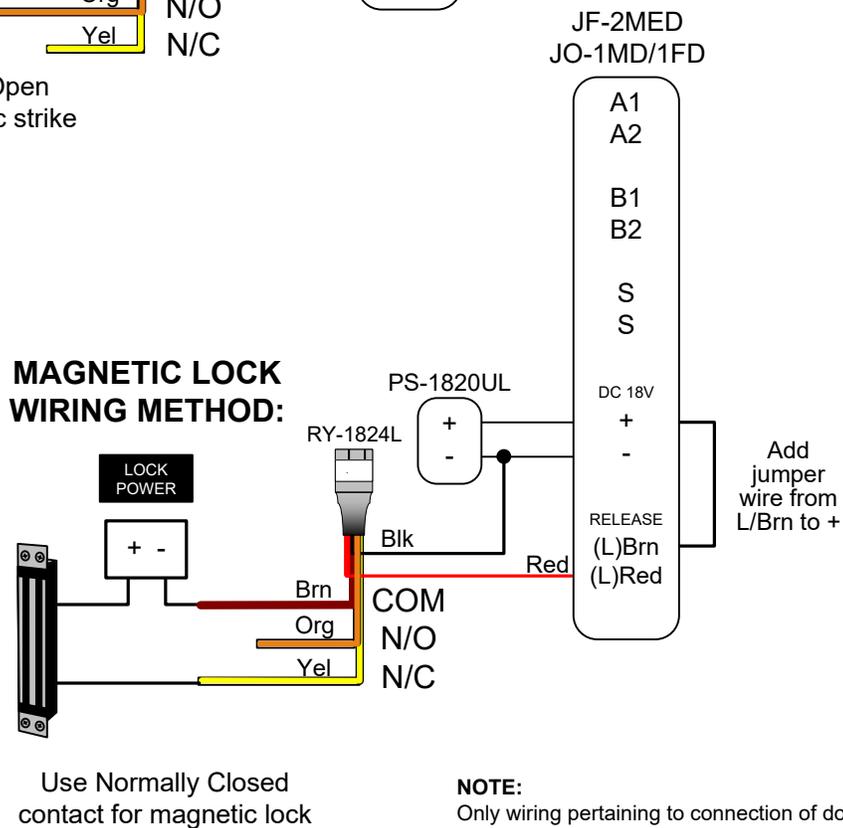
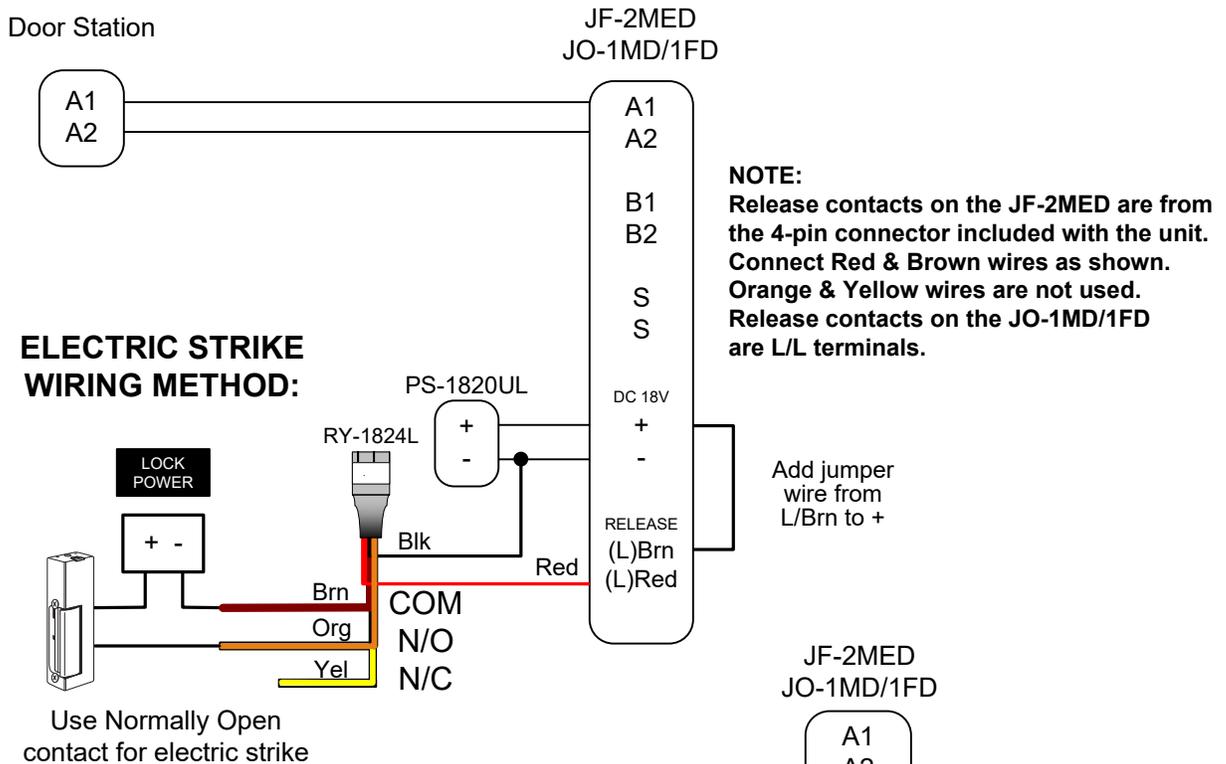
KB Series Wiring



NOTE: The door release contacts on the station are rated at 24V AC/DC, 500mA. The RY-1824L should be used in any application where the strike or maglock has a higher voltage or draws more current. Otherwise, internal damage to the master station could occur.

WIRING DIAGRAMS (cont):

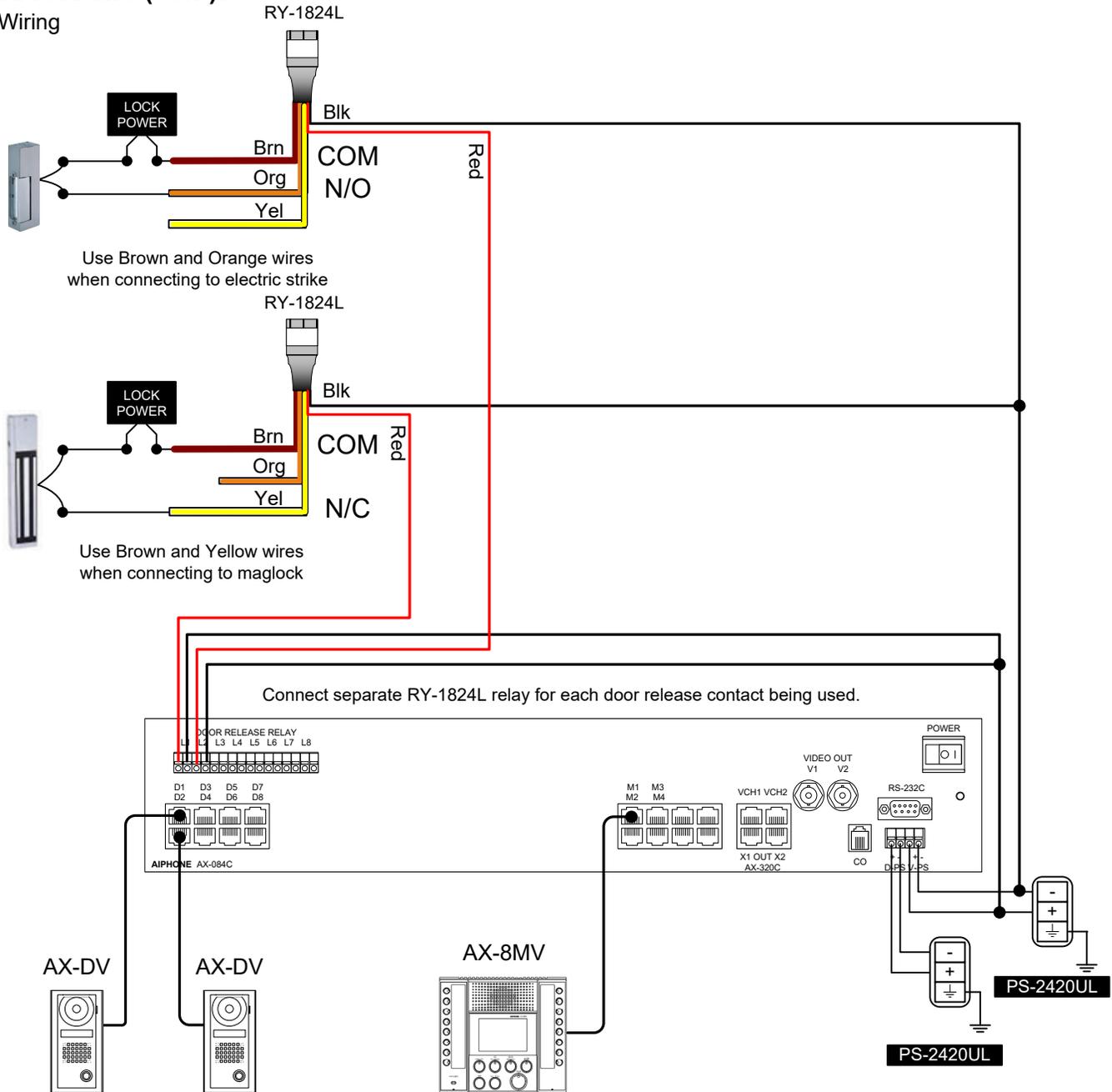
JF/JO SERIES:



NOTE: The door release contacts on the station are rated at 24V AC/DC, 500mA. The RY-1824L should be used in any application where the strike or maglock has a higher voltage or draws more current. Otherwise, internal damage to the master station could occur.

WIRING DIAGRAMS (cont):

AX Series Wiring



NOTE: The door release contacts are rated at 24V AC/DC, 500mA. The RY-1824L should be used in any application where the strike or maglock has a higher voltage or draws more current. Otherwise, internal damage to the Exchange Unit could occur.

SPECIFICATIONS:

- Power Source: Supplied by master station or CEU
- Mounting: No mounting required
- Terminations: Color-coded prewired pigtails
- Relay Input: 18~24V DC, Red and Black wires, 22AWG
- Relay Output: Brown, Yellow, Orange wires, 18AWG
- Output rating: 8A at 250V AC, 5A at 30V DC
- Wiring: 2 conductors from station's door release contacts to RY-1824L
2 conductors from RY-1824L to release mechanism, with power wired in series
- Dimensions (HxWxD): 1-7/16" x 13/16" x 7/16", with wires extending approx. 7-1/2"