



RY-18L



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RY-18L

Form C Relay for 12-18V DC Intercom Systems with Door Release

- INSTRUCTIONS -

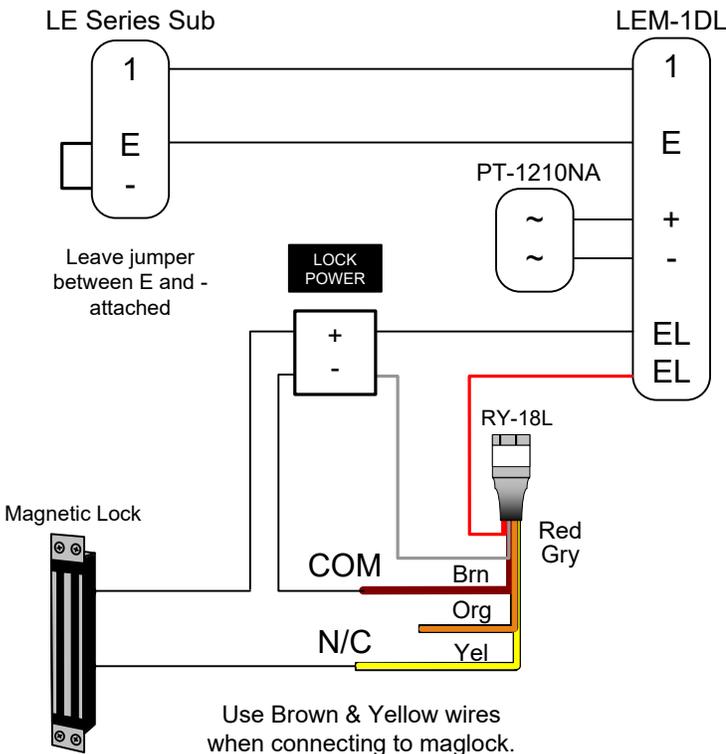
The RY-18L door release relay module is an interface between the door strike contacts on the Aiphone master station and the actual release mechanism. The contact closure directly from the Aiphone master station has limited voltage and current capacity. Use the RY-18L to ensure that the contact rating 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 JF, JK, and JO Series when using door release, and for the LEM-1DL or LEF Series when connecting a maglock.

(Note: Use the RY-3DL when releasing more than one door in a JF Series).

INSTALLATION:

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

WIRING DIAGRAMS:



MAGNETIC LOCK WIRING METHOD:

(Normally Closed contact)
 Lock power: Source for magnetic lock
 When using 12-18V DC power, use the RY-18L
 When using 24V DC power, use the RY-24L

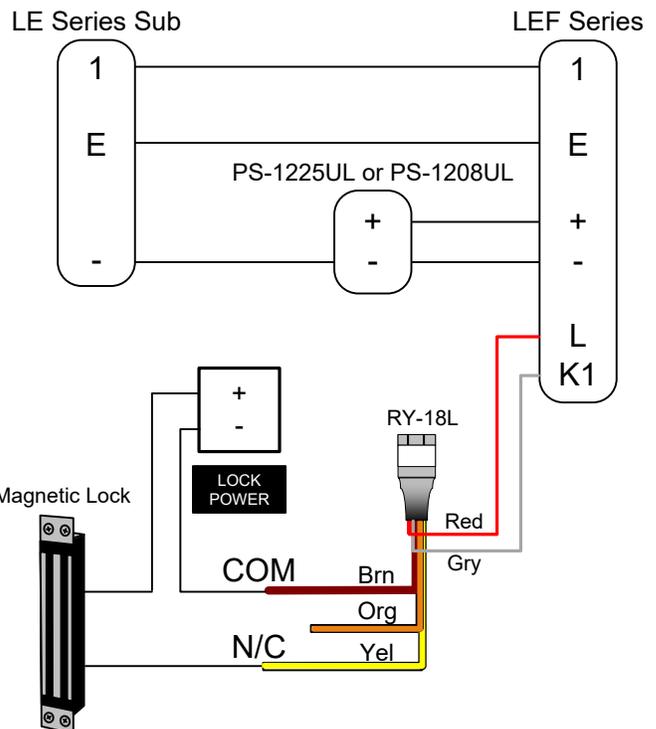
RY-18L COLOR CODE:

Input of Relay:

Red: L/RED, Positive trigger
 Gray: (-) Negative

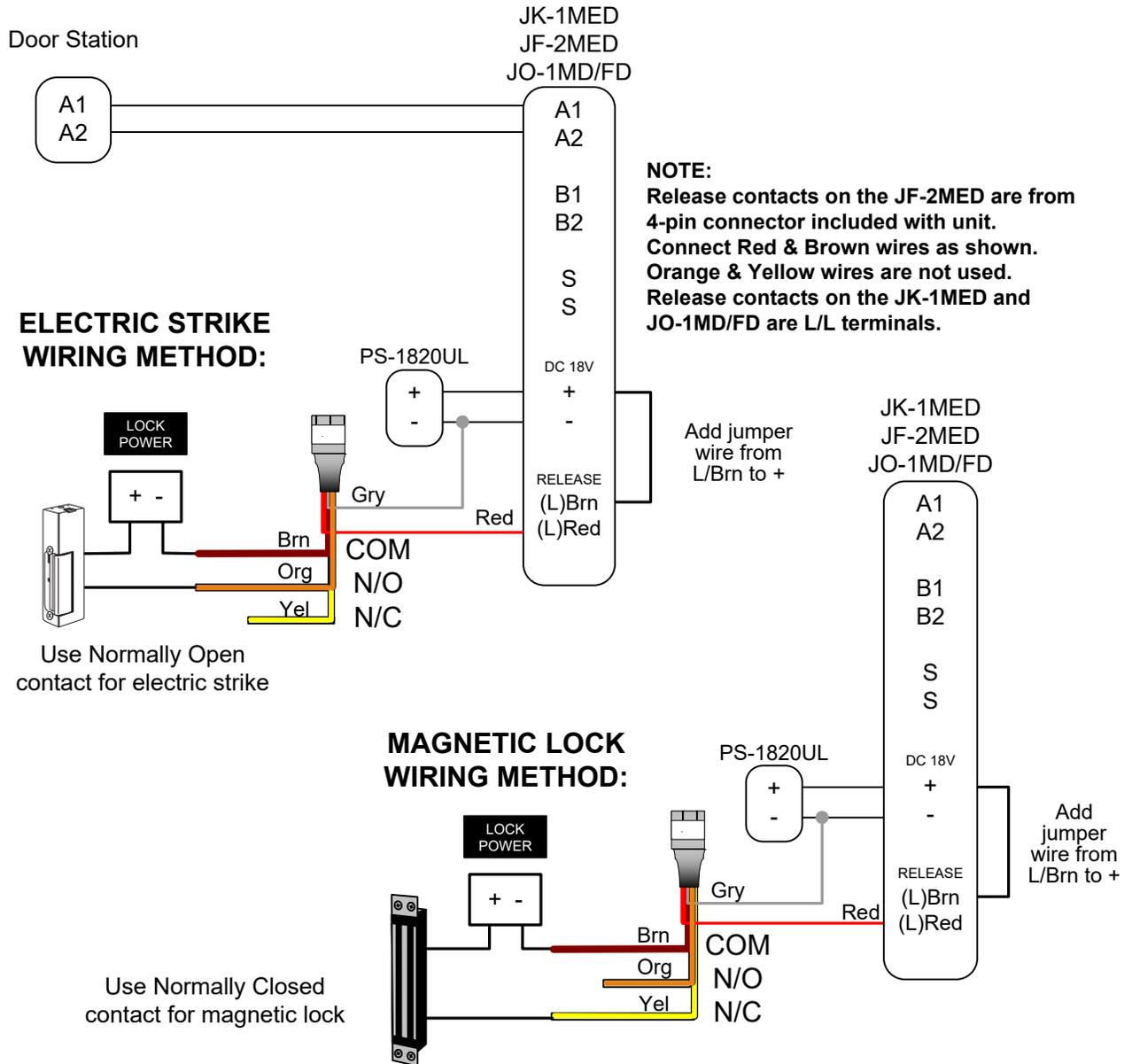
Output of Relay:

Brown: Common
 Orange: N/O contact
 Yellow: N/C contact
 (See contact rating specs on page 2)



WIRING DIAGRAMS:

JF/JK/JO SERIES:



SPECIFICATIONS:

Power Source:	Supplied by master station
Mounting:	No mounting required
Terminations:	Color-coded prewired pigtails
Relay Input:	12-18V DC, Red, Gray wires, 22AWG
Relay Output:	Brown, Red, Orange wires, 18AWG
N/O Output rating:	5A at 30V DC 10A at 125V AC 3A at 250V AC
N/C Output rating:	3A at 30V DC or 125V AC
Wiring:	2 conductors from station's door release contacts to RY-18L 2 conductors from RY-18L to strike, with power for strike wired in series
Dimensions (HxWxD):	1-3/4" x 7/8" x 7/16", with wires extending approx. 7-1/2"

NOTE:

Only wiring pertaining to connection of door release relay is shown here. For complete system information, please consult the installation manual for the system you are installing.