- 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
**NOTE:**
Release contacts on the JF-2MED are from 4-pin connector included with unit. Connect Red & Brown wires as shown. Orange & Yellow wires are not used. Release contacts on the JK-1MED and JO-1MD/FD are L/L terminals.

**ELECTRIC STRIKE WIRING METHOD:**
- Use Normally Open contact for electric strike

**MAGNETIC LOCK WIRING METHOD:**
- Use Normally Closed contact for magnetic lock

**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.