1 SYSTEM OUTLINE AND FEATURES

The RY-AC relay is used to activate an external doorbell, buzzer, or signalling device when a call is received. It can be used for call extension on the LEF, TD-H, TD-Z & IE-8MD systems.

Package contents
- Call extension relay (RY-AC)
- Mounting bracket(2) & screws
- Installation & Operation Manual

2 NAMES AND FUNCTIONS

INPUT OF RELAY:
- Red: Positive 12V DC
- Black: Negative 12V DC
- White: Activation wire

OUTPUT OF RELAY:
- Yellow
- Yellow: Dry contact closure

3 SPECIFICATIONS

Relay power source: 12V DC, supplied by intercom system or separate 12V DC power source.
Relay switching capacity: 0.3V 240V AC, 1.0A 24V DC.
External signalling device requirements: Use AC operated buzzer or DC mechanical buzzer. Do not use DC operated electronic buzzer, as it may damage the relay contact.

4 INSTALLATION

For wall mounting, attach unit to wall with supplied mounting hardware.
- When making wire connections, be sure not to short any wires together. Use wire nuts or protective material to isolate the connections.
- Locate the RY-AC closely with the intercom station with buzzer call.
- Run relay output wires in a separate sheath from intercom's.
- Refer to Installation & Operation Manual of using intercom for entire system configurations.

5 OPERATIONS

LEF Open voice selective call intercom:
1. The RY-AC allows the integration of a standard doorbell with an LEF open voice intercom system.
2. When the door station's call button is depressed, the relay will be activated and provide a dry closure.
3. The intercom system will receive the standard call-in signal or chime, and the remote doorbell device will be activated.
TD-H & TD-Z Selective call intercom:
1. Connect the RY-AC relay and the external device will be activated as long as the handset is ringing.
2. When that phone receives a call, the external device will be activated as long as the handset is ringing.

IE-8MD 6-call chime tone intercom:
1. Connect the RY-AC relay to either IE-8MD or IE-8HD and the external device will be activated together with a short call tone and voice.
2. When that phone receives a call, the external device will be activated until picking up on the station.

6 WIRING DIAGRAMS

LEF activation of doorbell or remote signalling device

IE-8MD or IE-8HD activation of remote signalling device

* Yellow wires provide a momentary dry closure, maintained as long as the door station's call button is depressed.

* Relay will activate when IE-8HD #3 receives a call from a handset station or door station.

Schematic diagram

* Relay contact: 0.3A AC 240V, 1.0A DC 24V.
* All parts subject to change.

WARRANTY

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Aiphone Co., Ltd., Nagoya, Japan
Aiphone Corporation, Bellevue, WA, USA
RY-AC/A-(E) 0195J