



RY032AE 32-Relay Board

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The 32-Output Signal Relay Board(s) shall be Alpha Communications® AlphaEntry™ series RY032AE or equivalent. Each RY032AE board shall provide 32 output relays, which will be triggered and time controlled by the AlphaEntry™ system software. All 32 of the relays shall have one (1) 'common' connection, which shall be internally jumped on the RY032AE board. Each relay shall be rated for 1A, and shall be field selectable for NO or NC output contacts. Each relay shall have a diagnostic LED which will remain lighted as long as that relay is activated. Up to 16 of the RY032AE boards can be daisy-chained (using model# CT032AEJ jumper cables), and each system shall require a model# KE-PWR5/2A 5VDC, 2A plug-in power supply and a model# CT032AE6 serial cable to connect the first RY032AE board to the PC's serial output connector. The RY032AE relay boards shall surface mount right onto the finished wall (or wooden mounting board) by means of screw mounting on top of plastic stand-offs (provided).

All wiring to relay shall be low-voltage Class II wiring, installed as per all federal, state, and local electrical and building codes.

AlphaEntry™ 32-Output Signal Relay Board

The Alpha Communications® RY032AE 32-Output Signal Relay Boards are used to provide 32 timed relays to be triggered by our AlphaEntry™ software, running on a Windows based PC. The primary use is for an entry intercom (or video-intercom) system, to replace a pushbutton type door entry station with a PC-based graphical directory and calling system. Up to 16 RY032AE boards can be used on each AlphaEntry™ system, for a total capacity of 512 relays. Each relay comes factory set as Normally Open (NO), but can individually be changed to Normally Closed (NC) by moving a simple jumper adjacent to each relay. The RY032AE boards are powered from a 5VDC, 2A plug-in power supply (model# KE-PWR5/2A). When jumping from one RY032AE to another, you will require a model# CT032AEJ jumper cable. The first RY032AE board connects to the PC using a model# CT032AE6 connector cable (as extender cable as required).

Each of the 32 relays have a diagnostic LED that will light as long as the associated relay is activated.

The RY032AE relay boards are designed to easily surface mount right onto the finished wall (or wooden mounting board) by means of screw mounting on top of plastic stand-offs (provided).

Relay connections are positive screw terminal type, using barrier type terminal connector strips.

FEATURES

- Easily Installs Right on Finished Wall Surface
- Operates on Safe Low-Voltage Class II Wiring
- Provides 32 Timed Relay Outputs from an RS232 signal
- Convenient Screw Terminal Connections

SPECIFICATIONS

Dimensions:	8.00"W (204mm) x 4.20"H (107mm) x .075"D (20mm), when installed horizontally (as shown above)
Relay Type:	1.0 Amp (@5V) SPDT Relays with protective covers.
Connections:	Barrier Type Screw Terminal Connectors.
Power Required:	5VDC, 2A (from KE-PWR5/2A plug-in power supply - 1 required per system).

Due to continuous product improvement, all colors, sizes, materials, finishes and specifications are subject to change without notice.