



Entrex

Entrex Door Controls Inc.

1495 Bonhill Rd., Unit #13
Mississauga ON L5T 1M9
Tel: 1-800-668-4667 Fax: 1-888-436-8739

#EJ-11 JR.

SWITCHING NETWORK

QUANTITY = 1

MADE IN CANADA



General Description

The Entrex Mdl. EJ-11 Junior Switching Network is designed to delay the door operator momentarily while the electric strike or magnet is energised.

The outputs are Form 'C' , rated 2 amps, and feature adjustable release timers.

Available for heavy duty applications is our model ES-10 switching network. For door sequencing applications please use our model ES-100C for one way, and EDS-15 for bi-directional sequencing.

Installation

The EJ-11 is typically mounted as close as possible to the automatic door operator, preferably in a clean, dry location. It can be loosely tucked into the operator header, or fastened using the supplied double-sided tape. **DO NOT DRILL INTO THE CASE!**

Mount the EJ-11 with consideration given to accessibility of wiring and adjustments. Twelve inch pre-stripped colour coded leads are provided. Cut and tape off unused leads.

DO NOT ATTEMPT TO REMOVE CIRCUIT BOARD!

Wiring

Step 1 - Input Connections

Connect the normally open contacts of your *Activating device* to the two **Blue** wires. **Note:** Your switch contacts **must** be **isolated (dry)!** This is especially true for Radio Receivers which are typically 3-wire! Contact Entrex if in doubt.

Step 2 - Relay "1" Connections

Relay "1" contacts - **White, Grey, & Violet** are specifically intended for the Electric Strike or magnet. Usually the Common (Grey), and N.O. (White) wires are used. **Note:** The EJ-11 *does not send* 24VAC to the strike! The power for the strike must be wired in series with this circuit.

Step 3 - Relay "2" Connections

Relay "2" contacts - **Yellow, Brown, & Orange** are intended for connection to the door operator. This relay is the *delayed* output, (fixed at 0.5 seconds).

The door operator is normally connected to the Common(Brown), and N.O. (Yellow) terminals.

Step 4 - Power Supply Connections

Once all other wiring connections have been made, the supply voltage can be connected. For **12V** supply connect to **Black** and **Red** wires. For **24V** supply use **Green** and **Black** wires.

Adjustments

Delay on release (D.O.R.) time for Relay "1" is adjustable from 0 - 3 seconds, and relay "2" is adjustable from 2 - 90 seconds. The delay on operate (D.O.O.) for relay "2" is fixed at 1/2 second.

Specifications

Model.....	EJ-11
Enclosure.....	Black Styrene plastic
Mounting.....	Double sided foam tape
Dimensions.....	2.1" x 3.9" x 0.8"
Operating Voltage	12 or 24 VAC
Response Time	0.03 Seconds
Relay Outputs.....	Two - Form 'C' dry.
Time Delays	D.O.R. #1 0 - 3 seconds
.....	D.O.R. #2 2 - 90 seconds

Warranty

Entrex International Ltd. guarantees the EJ-11 to be free from manufacturing defects for 12 months from date of sale. If during the first 12 months the EJ-11 fails to perform correctly, it may be returned prepaid to our factory where it will be repaired or replaced (at our discretion) without charge. Except as stated herein, Entrex extends no warranties expressed or implied regarding function, performance or service.

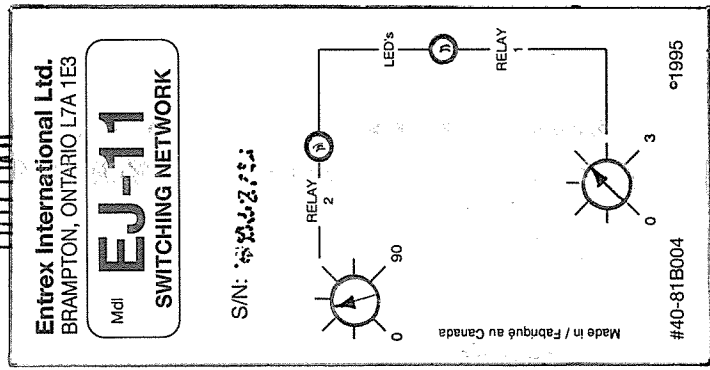
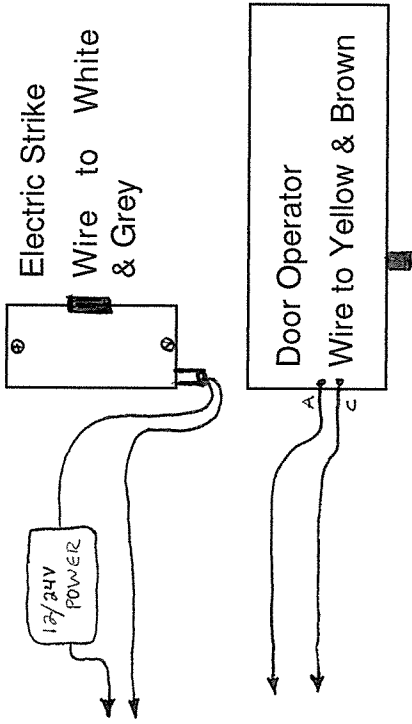
INPUTS

N.O. DRY CONTACTS { BLUE
CONTACTS { BLUE

POWER { 24V } GREEN
INPUT { 12V } BLACK
RED

(N.O.) WHITE }
(COM) GREY }
(N.C.) VIOLET }

(N.O.) YELLOW }
(COM) BROWN }
(N.C.) ORANGE }



- Time delay is initiated by Momentary contact closure of BLUE (input) wires. Note: Connect to **Dry Contacts Only!**
- Yellow and Red L.E.D.'s, indicate relay pull-in.
- Adjust Timers (2) for proper operation of Electric Strike, and Door Operator. Some operators have their own Time Delays.
- Note that the time delay between Relay 1 and Relay 2 is fixed at approximately 0.5 seconds.
- IMPORTANT!** The Blue Input wires *must* be connected to Dry Contacts Only!. Failure to do so will cause damage to the EJ-11, and is **not covered by Warranty!**

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