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# PRODUCT INFORMATION BULLETIN

## EAGLE-EYE RX I.R. Receiver for Pull Cord Systems MODEL 30-2000L

### APPROVALS

PA - BOTE-1474-94

### DESCRIPTION

The EAGLE-EYE is an infrared remote control system that allows remote shut-down of underground pull-cord systems in mining. Consisting of a receiver and a handheld transmitter, the EAGLE-EYE offers a wide variety of safety and productivity applications in underground mines and tunnels.

The model 30-2000L is a modified version of the standard model 30-2000. Incorporating a latching relay, the EAGLE-EYE INFRARED RECEIVER is designed to receive transmitted codes from the model 30-1000 I.R. REMOTE TRANSMITTER. After receiving a valid transmission, the output relay will energize or de-energize, depending on whether an "ON" (start) signal, or an "EMERGENCY STOP" signal was received. The unit will not activate on other light sources or other manufacturers' I.R. remotes.

The receiver is factory set on channel #1. A seven (7) position Dip Switch is located inside the unit. The numbers one (1) thru seven (7) on the Dip Switch correspond to the channel(s) selected. The receiver can be programmed to energize the "Start" relay on any channel or combination of channels. The "Emergency Stop" relay is factory set, and cannot be changed.

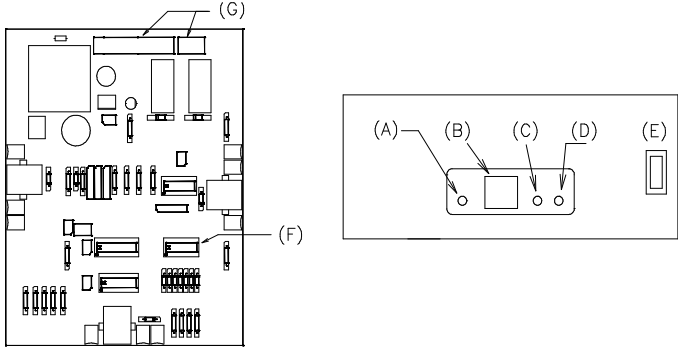
### INSTALLATION

DISCONNECT AC Power before proceeding with installation.

1. Mount the EAGLE-EYE RECEIVER in a convenient location that allows visual access with the remote.
2. Make the following connections from the A/C Control Plug.  
**NOTE – The 16-5 SO control cable that is supplied with this unit has only five conductors –Ensure that this is the control cable that you have BEFORE making electrical connections.**

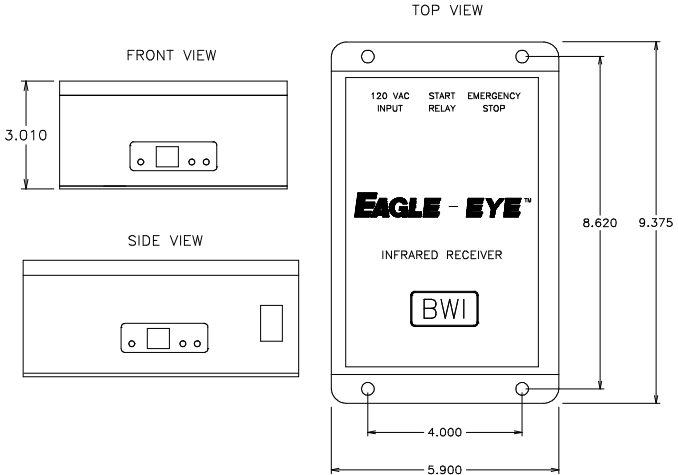
TERMINAL	CONNECTION
1 (Orange)	120 VAC
2 (Red)	120 VAC
3	No Connection
4 (Green)	GND
5	No Connection
6 (Black)	Relay Common
7 (White)	Relay N/O

### CONTROLS AND INDICATORS



- (A) EMERGENCY STOP LED - Indicates the "Emergency Stop" relay has energized.
- (B) RX SENSOR - Receives the infrared signal from the remote.
- (C) RX LED - Indicates a valid transmission is being received.
- (D) START LED - Indicates the "Start" relay has energized.
- (E) POWER ON/OFF SWITCH
- (F) RX CHANNEL SELECT - Move the dip switches to "ON" for desired channel selection.
- (G) INPUT/OUTPUT TERMINAL STRIP WIRING

### DIMENSIONS



# EAGLE-EYE RX

Infrared Receiver

**MODEL 30-2000L**

## SPECIFICATIONS

AC Input	120 VAC 18W
Fuse Protected	1 amp
Start/Stop Relay Contacts	SP/DT 5 amp @ 120 VAC / 1 AMP @ 100 VDC
RX Input	Infrared
RX Channels (8 total)	(7) "START" Channels (selectable) (1) "EMERGENCY STOP" (preset)
Housing	Nema 4, 4X, 12 + 13

## REPLACEMENT AND OPTIONAL PARTS

PART NUMBER	DESCRIPTION
30-2002L	I.R. Receiver P.C. Board
30-2020	20' AC Control Cable w/Plug
30-2050	50' AC Control Cable w/Plug

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DOCUMENT DATE: 11-Aug-04

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