

32962-MP

Light Controlled Relay

General

Compact, microprocessor based, digital light controlled relay with isolated relay contacts.

Features:

Separate Control & Relay boards
Adjustable High & Low light Alarms
Adjustable Hysteresis
Programmable Set Point
Power OFF Memory No need to re-enter settings
CdS Photocell
Display: 3 Digit 0.56" Red LED

LEDs: 1 Red on each board to indicate relay energized

Modes: 2: Energize on "Low Light" or "High Light"

Specifications:

Power: 12VAC/DC

Quiescent: <20mA Relay energized: <50mA

Range: 0-998 LUX

Resolution: 1LUX

Accuracy: 1LUX

Refresh Rate: 0.5sec.

Sensor: CdS Photoresistor

Operating Temp. Range: -10 to 60deg. C; 20-85% humidity

Control Output:

Relay: SPDT

Rated: 10A@250/125VAC 10A/30VDC

Terminal Strips for Relay contacts.

10" Board interconnect cable/mini connectors

5" Power leads/Mini connector

11" Sensor leads with mini connector)

Control Board

W: 2-13/16"

H: 1"

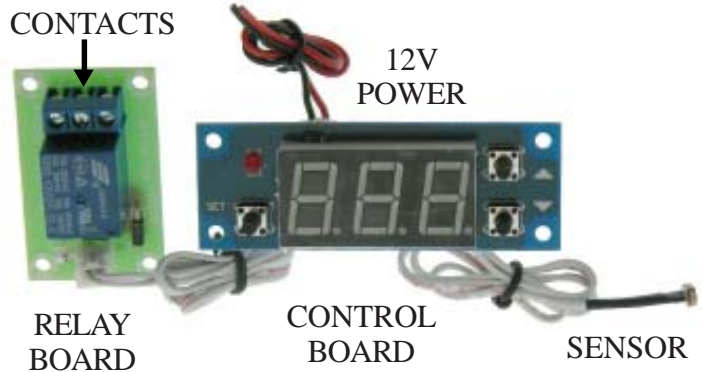
D: 7/8"

Relay Board

W: 1-13/16"

H: 1-1/8"

D: 7/8" Ship WT: .08



Operation:

- 1: Place Controller in desired location along with the probe
- 2: Connect Loads to Controller Relay Contacts (Be sure Load power is off)
- 3: Connect 12VAC/DC Power Supply to Controller
(Display will show ambient Light Level at photocell location)
- 4: Press SET button momentarily and the display will flash
Press the + or - buttons to set the desired light level.
Press SET to confirm setting & Exit or Wait ~ 10 seconds

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MARLIN P. JONES & ASSOC., INC.

P.O. Box 530400 Lake Park, FL 33403

800-652-6733 FAX 561-844-8764

WWW.MPJA.COM

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Setting Parameters:

- 1: Press & Hold SET Button for >10 seconds to enter Menu
 - 1.1: Press the + or - to sequence through the Setup P0-P4
 - 1.1.1: After selection, Short press of SET to show present setting
 - 1.1.2: Press + or - to adjust the settings
 - 1.1.3: Short press of SET to store & return to Parameter setup mode (P0,P1 etc.)
 - 1.1.4: Press the + or - to sequence through the Setup P0-P4
 - 1.2: Repeat 1.1 steps to set other Parameters
 - 1.2A Setting P2 High & P3 Low light Set Points
 - 1.2A.1 Follow Step 1.1 to select P2 or P3
 - 1.2A.2 Press SET and present "ON/OFF" setting will appear,
 - If "OFF" Press + or - to alternate ON/OFF
 - If "ON" or after selecting "ON", Press SET to enter adjustment mode.
 - 1.2A.2: Press + or - to adjust the settings
 - 1.2A.3: Press "SET" Display will show the Mode (P2 or P3)
- 1.4: When finished Hold SET for >10sec.
 - If no changes are made during any setting mode, unit will automatically return to normal operation after ~10sec.

Parameter Chart:

Mode	Function	Range	Default
P0	Mode	01/02	01
P1	Hysteresis	-50 to +50Lux	20
P2	High Alarm	On/Off +limit	Off
P3	Low Alarm	On/Off +limit	Off
P4	Correction	-50to+50Lux	0
To return Factory Default Value Press & Hold +&- when powering up			

01 Energize on Low Lux **02** Energize on High Lux
 Set Offset due to special circumstances
 When On you Set upper Limit **NOTE** on Alarms: See Below
 When On you Set lower Limit
 Calibration (Offset)

NOTE: Alarm Indications

Display Shows "LLL" Low Light Level Limit
Display Shows "HHH" High Light Level Limit

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