

# Main Serial Port Interface ELK-M1EZ8MSI

## APPLICATION:

The **ELK-M1EZ8MSI** Main Serial Port Interface allows direct RS-232 Serial Communications to an M1EZ8 Control for Upload/Download programming, and for interfacing with other Computer type devices. The speed of this port is software selectable from 300 to 115,200 baud.

**ELK**  
PRODUCTS, INC.

## Main Serial Port Interface ELK-M1EZ8MSI



## FEATURES:

- Adds A High Speed RS-232 Serial Port To Any M1EZ8 Control
- Allows Computers And Other Serial Devices To Communicate With The M1EZ8 Control
- Self-Powered From The Control
- Modular Connectors For Long Term Reliability
- Powerline Lighting Pass-through Connector For PSC-05 (or equiv.) Interface

NOTE: The M1EZ8MSI is not required in order to connect ELK-M1XSP Serial Port Expanders to the 4-wire data bus. The M1XSP Expanders can provide RS-232 Serial Ports (up to 7) from the M1EZ8, however only M1EZ8MSI Main Serial Port Interface is capable of operating at a speed above 38,400 baud which is optimum for fast upload/download programming and for interfacing with an M1XEP Ethernet Interface.

## SPECIFICATIONS:

- Gold Plated RJ45 8-Wire Modular Connectors
- DB9F Female 9-Pin RS-232 Serial Connector
- Operating Voltage: 12 Volts D.C.
- Current Draw: Less Than 5mA
- Housing Dimensions: 4.375" x 3.0" x 1.125"
- Circuit Board Dimensions: 3.5" x 2.75"

**ELK**  
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**Instructions Printed On Inside**

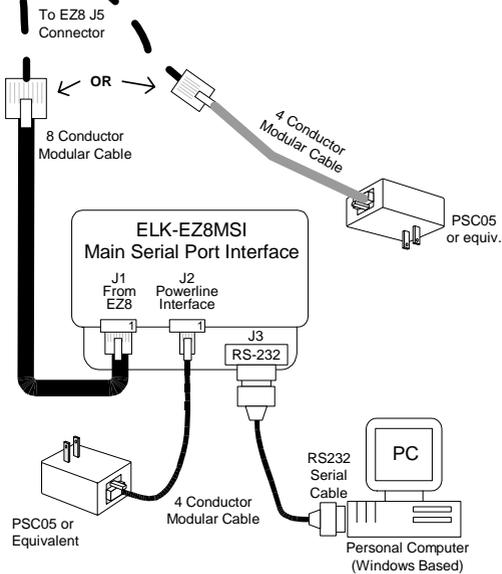
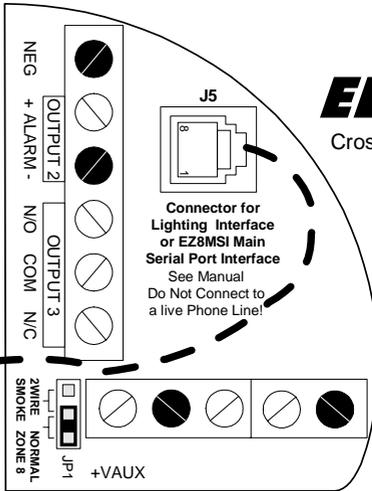
# INSTALLATION

The following equipment is required: ELK-M1EZ8 Control, ELK-M1EZ8MSI Main Serial Port Interface, 8 Conductor J7 Cable (included), 9 Pin to 9 Pin Serial Cable or USB to 9 Pin Serial Cable (not included).

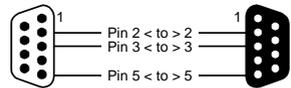
1. Plug one end of the provided 8-wire CAT5 RJ45 cord into connector J1 on the M1EZ8MSI Main Serial Port Interface. Plug the other end into connector J5 on the M1EZ8 Control. If a 4-wire PSC-05 Lighting Interface is already plugged into J5, disconnect that cord and plug it into connector J2 on the EZ8MSI Interface. Connector J2 is passed through EZ8MSI Interface so that you can maintain the Lighting Interface even with an EZ8MSI attached.
2. Plug one end of a 9 Pin Serial Cable (not provided) into connector J3 on the M1EZ8MSI Interface. Plug the other end into your computer or desired serial communicating device.
3. The M1EZ8MSI Interface may be permanently mounted inside the Control or it can be simply carried around as an Installer tool.

## ELK-EZ8<sup>TM</sup>

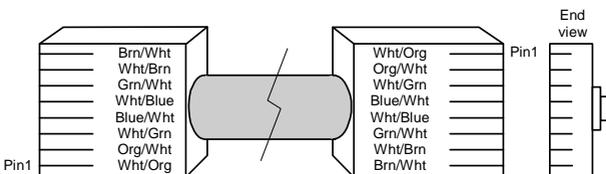
Cross Platform Control



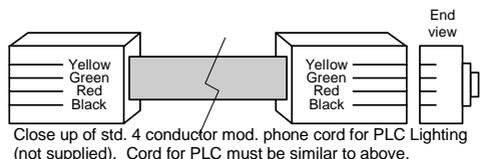
**Lighting Interface Conn. (J5)** Can drive either a PSC05 direct OR EZ8MSI Main Serial Port Interface through which a PSC05 may then be connected. (This connection not evaluated by UL)



Pinout for Serial Port Cable (9 pin male to 9 pin female) Maximum recommended length = 50 ft.



Close up view of 8 Conductor Cat5 Network cord supplied with EZ8MSI Main Serial Port Interface.



Close up of std. 4 conductor mod. phone cord for PLC Lighting (not supplied). Cord for PLC must be similar to above.