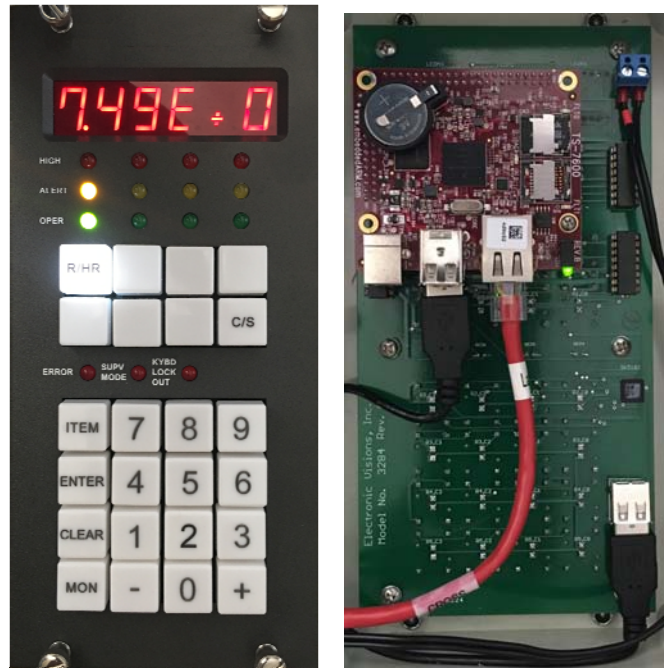# ELECTRONIC VISIONS, INC.

RM-23A Replacement

EVI-RM23A

EVI-RM23A is an Electronic Visions, Inc. product, which replaces GA RM-23A for use in a Control Room Simulator. The Current Loop interface to the GA RM-23A is replaced with an Ethernet TCP/IP interface. This will allow the simulator system to control the display value and all the LED alarm and Keyboard lights. The unit will also send keyboard input back to the simulator system to allow full RM-23A simulation. The unit will mount in the control panel from the front side with the four mounting thumbscrews in to the existing cutout of the control panel. The IP address is configurable for each unit to allow for multiple units on the same network from the simulator. The replacement unit is an off-the-shelf embedded ARM microprocessor with a 15-year life cycle for the process board. The microprocessor is mounted on a single PCB that houses all the keyboard switches, LEDS and the 7 segment LED modules for the display and alarm LEDS. The interface software on the unit can be configured to match the customer's simulator data format if they have a standard interface data format for a simulated RM-23A unit.

Features:

- Connect to the simulator system with Ethernet TCP/IP interface

- Allows control of all the LEDS and display characters from the simulator

- Allows keyboard input to be sent to the simulator

- User configuration for IP address

Model 3284

Configuration:

- IP address configuration

- Fast or full boot configuration

- Customer ID protocol method

- Set Device ID

- Set TCP port number

- Set Lamp timeout for lamp test

- Configuration Version 1.0-0

- Ethernet Interface Name

- No Connection Message (LEDS 8 characters with no simulator)

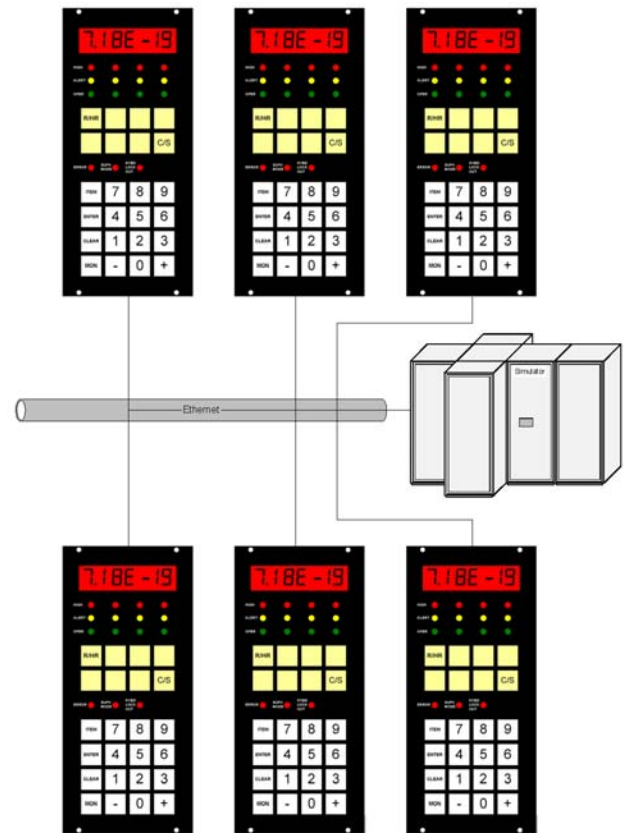- No Connection Lamps (Lamp condition with no simulator)

Configuration:

- No Connection Lamps (Lamp condition with no simulator)

- No Connection Blinks (Lamp blink with no simulator)

- Post Power on Self Test lamp (milliseconds to display)

- Post Message (8 characters to display during POST

- Post Lamps lamp condition during the POST

- Watch Dog Enabled value in 1/10 seconds before watchdog reboots

- Send Keys To Simulator

- TCP Message Timeout Maximum in milliseconds

- Alive Timeout Maximum in milliseconds

- UDP Advertisements time between in milliseconds

Requirements

- TCP/IP network connection to Simulator system

- Simulator interface application to send data to the EVI-RM23A

- 110 volt AC power outlet

Typical EVI-RM23A Simulator Configuration

Electronic Visions, Inc's products are of the highest quality and designed with the customers needs in mind. All products are delivered with a one-year, return to factory warranty.

If you would like more information on this or any of the other products offered by Electronic Visions, Inc. please contact us at our office.

Electronic Visions, Inc.
1555 Magnolia St NE
Palm Bay, FL 32905
Voice: (321) 632-7530
www.ElectronicVisions.com

EVI-RM23A is a trademark of Electronic Visions, Inc.