SERIAL INPUT   AE SERIES - OPTION 354

RS232 or RS485 SERIAL INPUT

PLC

OR

Computer

AE21 Display Controller

Up to 2,000 Feet on 2-conductor cable

MC4181NX Master Clock

Send time or data to multiple displays throughout your facility. Ideal for computer or master clock controlled clock systems, timers, process indicators, and production monitors.

Free Software available for Computer and Master Clock based systems

12 / 24 hour time, up / down elapsed time, ASCII, and number modes

Two wire system - easily connects to PLC's, Computers, Master clocks...

Connect up to 50 AE devices to a standard RS232 port

Keeps time and retains last data sent during power outages

AE-455DR6, Eight Channel RS232 Driver available - expand number of devices and distance

Hundreds of possible configurations - Contact us regarding your application

Available for all 2, 3, 4, 5, and 6 digit AE Series Displays

1", 2.3", 4", 8", and 12" High Digits available

TWO   YEAR   WARRANTY

DESCRIPTION

Option 354 provides an Intelligent Serial Input for the AE Series Displays. This is not a standard RS232 input. However, up to 50 AE Series Devices with this option can be connected to a standard RS232 port, at distances up to 2,000 feet away. Signal drivers are available to provide systems with unlimited numbers of displays. This option allows AE Series Displays to communicate with host Computers, Master Clocks, Process Computers (PLC's), Multi-Media System Controllers, and AE21 Display Controllers. Applications include computer controlled master clock systems, production monitors, time to next show timers, process indicators, and message displays.

A simple 10 Byte message is required to send data or control information to the display. It provides addressing, mode selection, six characters of data, and display attributes. Free software is available for Computer and Master Clock based systems.

SPECIFICATIONS

INPUT: TWO WIRE SYNCHRONOUS (RECEIVE ONLY) RS232 OR OPTIONAL RS485. 2400 BAUD, NO PARITY, 8 DATA BITS, 1 STOP BIT.

CONTROL: TEN BYTE MESSAGE:

BYTE 0:   START CHARACTER - 11H

BYTE 1:   ADDRESS BYTE - RANGE IS 0 TO 15 (OPTIONAL 0-255). ADDRESS 0 PROVIDES AN ALL CALL.

BYTE 2:   MODE BYTE - RANGE IS 0 TO 255. SELECTS DISPLAY FUNCTION. USES BYTES 3 TO 8 AS INPUT DATA. SOME OF THE MODES INCLUDED:

MODE 0	ASCII CHARACTER MODE.
MODE 1	NUMBER MODE.
MODE 2	GRAPHIC CHARACTER MODE.
MODE 3	12 HOUR TIME / TIMER MODE.
MODE 4	24 HOUR TIME / TIMER MODE.
MODE 5	COUNT DOWN TIMER MODE.
MODE 6	DISPLAYS SOFTWARE VERSION
MODE 7	DAY COUNTER

BYTES 3 TO 8:   SIX CHARACTER BYTES - DISPLAY DATA OR SETTINGS FOR THE MODE SELECTED IN BYTE 2.

BYTE 9:   MISCELLANEOUS DIGIT BYTE - PROVIDES COLONS, AM/PM INDICATORS, AND OTHER DISPLAY ATTRIBUTES.

BATTERY: RECHARGEABLE NI-CAD BATTERY BACK-UP KEEPS TIME OR RETAINS THE LAST DATA SENT DURING POWER OUTAGES.

ORDERING INFORMATION

Most AE Series Displays are configured to your specifications at the time of your order. Their modular design allows them to be constructed from Off-The-Shelf components and assemblies in quick order.

Choose the desired type, size, number of digits, and other requirements from the AE Series Large Display brochure. Adding "354" to the end of the model number indicates the RS232 Serial Input option is installed.

FOR ASSISTANCE CALL 800-444-7161