Eagle Signal Controls

A103 Series Elapsed Time Indicator

The A103 Series Elapsed Time Indicators provide a range of capabilities unequaled in products of similar size and cost. A single model can be programmed to display in seconds, minutes, hours, or hours: minutes: seconds. The A103 series also includes matching indicators for count totalization and rate metering, as well as models with a preset output for control by count or time. All are in a uniform 36 x 72 millimeters bezel size package, enhancing your control panel with a family of devices that look and program alike.

A supertwist LCD display with thick 12mm (.47") high digits allows for easy viewing at a glance and feature display-backlight capability by simply connecting an external 12VDC supply.

Powered by an internal 3 volt battery, the A103's unique design has two battery slots; this allows battery changeover without loss of memory.

Timing start/stop can be initiated by solid-state signals or mechanical switches.

The A103 Series timers are further enhanced by a series of quick-attach option modules. These can provide a power supply for sensors and display backlighting, and accept high or low voltage AC or DC input signals.

- Matching totalizing and preset counters, preset timers, tachometer/rate indicators are available – look great together on a panel
- High visibility 7-digit LCD display with backlighting capability standard
- Long life 3 Volt lithium battery eliminates the need for external power
- Accepts input signals from a variety of sources: Dry Contact, PNP or NPN Sensors
- Single multirange model covers popular time resolutions
- Resettable remotely or from the front panel
- Programmable security of front panel reset button
- Option modules provide additional functionality and added convenience – fast, easy installation
- NEMA 4X/IP65 rated front panel for use in washdown environments

TIME | COUNT | MEASURE | DISPLAY (8:43)

Eagle Signal Controls

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2100 West Broad Street
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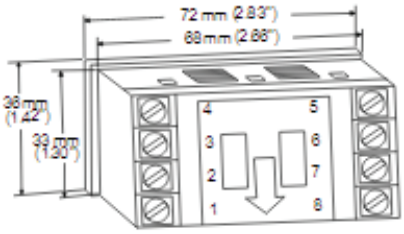
A103 Series
Elapsed Time Indicator

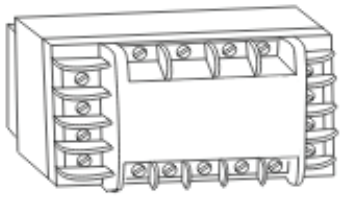
SPECIFICATIONS

START/STOP INPUT	NPN, Contact Closure; Accumulates time when connected to common; Low State: < 1.0 VDC, High State: > 2.0 VDC (28VDC max)
SECURITY INPUT	Allows access to panel reset and programming features
REMOTE RESET INPUT	NPN or Contact Closure to common; level sensitive
POWER SOURCE	Single or dual 3V Lithium battery Typical 5 years life with single battery, 10 years w/dual batteries
RANGES & RESOLUTION	Seconds, minutes to 1/10, hours to 1/10, hours: minutes: seconds
DISPLAY	12mm high, Supertwist LCD; 8 digits; "Low Bat" indicator
BACLIGHTING	Green Illumination over whole viewable area. Requires 10 to 28 VDC power source
MOUNTING	Panel Mount with supplied mounting bracket and gasket
CONNECTIONS	Screw terminals
OPERATING TEMPERATURE	+32° to +131°F (0° to +55°C)
WEIGHT	64 g (2.25 oz.)

DIMENSIONS



A103 Rear View


Option Module
Rear View

Depth Behind Panel
Without Adaptor Module: 39mm (1.54")
With Adaptor Module: 89mm (3.50")
Panel Cutout: 33mm x 68mm (1.30" x 2.66")

ORDERING INFORMATION

Standard Models

A103-006 A103 Elapsed Time Indicator

Option Modules

Option modules accessories provide a convenient integrated solution to applications that require count signal voltage conditioning, and/or a voltage source for use with external sensors or the A103's display backlight feature. Specifications for each option module feature follow, while specific combinations of features are listed in the "Models" below. The following option modules attach to the rear of the A103 Series Totalizer.

High Voltage Input: Allows A103 to accept 100 to 260 Volt AC/DC for timing input
Low Voltage Input: Allows A103 to accept 5 to 30 VAC or VDC for timing input
AC Power Supply: Provides 10 - 20 VDC @ 50mA for display backlighting and/or sensor. Requires connection to 115 or 230 VAC, 50/60 Hz

A103-A12	AC Power Supply
A103-A17	Low Voltage Input
A103-A19	AC Power Supply, Low Voltage Input
A103-A10	High Voltage Input
A103-A14	AC Power Supply, High Voltage Input

605472-0001	Replacement Battery
A103-A40	Panel Hole Punch

Special variations available. Please consult factory.

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