



**Cost effective, compact
elapsed time indicator...
large display with
backlighting**

**All in the family - Other matching A103 series
products in this catalog:**

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The A103 Elapsed Time Indicators provide a range of capabilities unequalled 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.

- 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

The A103 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.

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 w/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; 7 digits; "Low Bat" indicator

Backlighting: Green Illumination over whole viewable area. Requires 10 to 28 VDC power source

Dimensions & Mounting: See dimensions figure. Panel Mount with supplied mounting bracket and gasket

Connections: Screw terminals

Weight: Approximately 64 grams (2.25 ounces)

OPTION MODULE SPECIFICATIONS

Option modules accessories provide a convenient integrated solution to applications that require AC or high voltage DC signals, and/or a voltage source for use with the A103's display backlight feature or external. Specifications for each option module feature follow, while specific combinations of features are listed in the "Models" table, below.

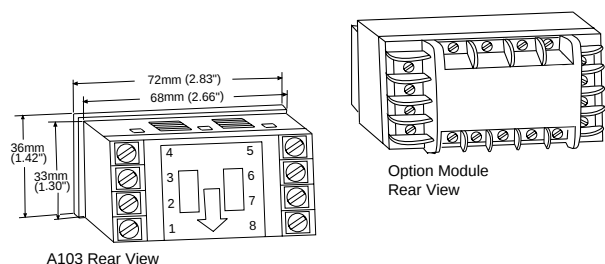
High Voltage Input: Allows A103 to accept 100 to 260 Volt AC/DC as timing input

Low Voltage Input: Allows A103 to accept 5 to 30 VAC or VDC as timing input

AC Power Supply: Provides 10 - 20 VDC @ 50 mA for display backlighting and/or sensor. Requires connection to 115 or 230 VAC, 50/60 Hz

Model No.	Description		
A103-006	A103 Elapsed Time Indicator		
The following option modules attach to the rear of A103 timers:			
Model No.	AC Power Supply	Low Voltage Input	High Voltage Input
A103-A12	X		
A103-A17		X	
A103-A19	X	X	
A103-A10			X
A103-A14	X		X
Replacement Battery: 605472-0001			
Panel Hole Punch: A103-A40			

Dimensions:



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")