

A103 Series Preset Counter

The A103 Series Preset Counters are amazingly compact in size and low in cost, with a full complement of popular features. In addition to the preset counters, the A103 Series includes matching indicators and timers.

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. Numerous types of inputs can be accepted giving you a totally self-contained system not requiring external power.

The A103 Series Preset Counters are further enhanced by a series of quick attach option modules. These can provide a power supply for sensors and display backlighting, provision for high or low voltage AC or DC count signals and mechanical relay output.



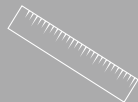
- Matching totalizers, time and rate indicators and controllers available – look great together on a panel
- SSR relay input - selectable normally open or normally closed operation
- High visibility 8-digit LCD display with backlighting capability standard
- Long life 3 Volt lithium battery eliminates the need for external power
- Accepts input signals from a variety of sources
- Resettable remotely or from the front panel
- Option modules provide additional functionality and added convenience – fast, easy installation
- NEMA 4X/IP65 rated front panel for use in washdown environment



TIME



COUNT



MEASURE

8:43

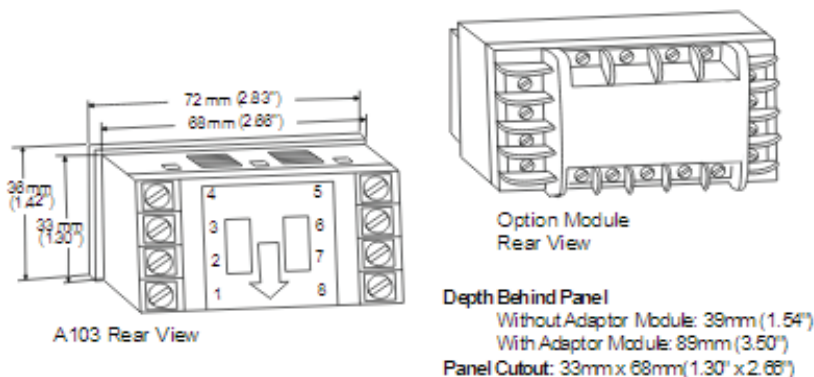
DISPLAY

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SPECIFICATIONS

HIGH SPEED COUNT INPUT	PNP or square wave pulse; 10 kHz max (50% duty cycle) 45 µ sec min pulse width; Low State: < 1.0 VDC High State: > 2.0 VDC (28VDC max)
LOW SPEED COUNT INPUT	NPN, Contact Closure; 30 Hz max (50% duty cycle) 12 ms min pulse width; 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; edge sensitive
CONTROL OUTPUT	Isolated Photomos relay 0.1 amp @ VAC/DC, >50Ω on resistance Programmable normally open or normally closed operation
POWER SOURCE	Single or dual 3V Lithium battery; Typical 5 years life w/single battery, 10 years w/dual batteries.
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



ORDERING INFORMATION

Standard Models

A103-007 A103 Preset Counter

Option Modules

High Voltage Input: Allows A103 to accept 100 to 260 Volt AC/DC for count input
 Low Voltage Input: Allows A103 to accept 5 to 30 VAC or VDC for count 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
 Mechanical Relay Output: SPDT (Form C); 120/240 VAC, 30 VDC contacts, 5A

A103-A12	AC Power Supply	605472-0001	Replacement Battery
A103-A17	Low Voltage Input	A103-A40	Panel Hole Punch
A103-A19	AC Power Supply, Low Voltage Input		
A103-A10	High Voltage Input		
A103-A14	AC Power Supply, High Voltage Input		
A103-A11	Relay Output		
A103-A13	High Voltage Input, Relay Output		
A103-A15	AC Power Supply, Relay Output		
A103-A16	AC Power Supply, High Voltage Input, Relay Output		
A103-A18	Low Voltage Input, Relay Output		
A103-A20	AC Power Supply, Low Voltage Input, Relay Output		