

PS3 Series


FEATURES:

- Up down counter/timer control
- AC/DC and self powered versions
- LCD display indicates both count and preset
- Accepts a wide range of industrial inputs
- PS3-11 & PS3-21 have prescaling of input
- RoHS & CE Compliant

APPLICATIONS:

Batch counting and control, coil winding and wire cutting, length measurement, packing-line control, stop/start control and numerical position control.

DESCRIPTION:

The PS3 Series of 6 digit preset counters/timers offers operation on a wide supply range of AC/DC voltages and

battery powered units when no power is available (counter only). This series also accepts a wide range of AC/DC and contact closure inputs. Each unit has a preset constantly shown below the main display. The preset can be latched until reset or auto-cycled in a count up to the preset or a count down to zero function. These features, easy setup and programming make it a simple solution for many applications.

SPECIFICATIONS:

Model	PS3-12	PS3-22	PS3-SPA
Function	Preset Counter / Timer		Preset Counter
Voltage Supply	94-240V AC \pm 10% 50/60Hz VA rating 3VA or 12-24VDC \pm 10 @ 100mA (max)		2 replaceable batteries, up to 10 year @ 20°C or 10 ⁶ operations
Display	2 Lines of 6 digit supertwist LCD with yellow/green LED backlight (no backlight in PS3-SPA). Line 1: 0.28" (7 mm) indicates count/time, line 2: 0.16" (4 mm) indicates preset, with a decimal point programmable up to 3 places		
Backlight	Programmable To Always ON, Always OFF or AUTO (ON for 30s following last key press)		No- backlight
Output Power	+12Vdc \pm 10% @100mA, for powering sensors, encoder, etc.(AC powered only)		—
Memory	40 year data retention with no battery		7 minutes to change batteries
Battery Monitor	—		Display shows "LO-BAT"
Input*	1) High speed: PNP/ NPN Opto-isolated 10-30VDC 2) Low speed: Opto-isolated 12-260V AC/DC	High speed: PNP/ NPN Opto-isolated 10-30VDC, Quadrature & uni-direction	Low speed: Opto-isolated 12-250V AC/DC
Count Speed	1) High speed 10 kHz max 2) Low speed 30 Hz max		25 Hz
Timing Mode	0.01 seconds, seconds, minutes, hours & hundredths and hours & minutes		—
Reset	1) Front push button 2) Remote Opto-isolated 12-260V AC/DC 3) Automatic, User selectable reset to 0 (add) or to preset (sub).		1) Front push button 2) Opto-isolated 12-250V AC/ DC, 50ms min. 3) Auto, user selectable reset to 0 (add) or to preset (sub).
Preset	Single front keypad programmable 6 digit preset, count up (add) with output at preset or count down (sub) with output at zero. Unit may have to be reset for a new preset to take effect.		
Control Output	Relay (SPDT), 5A 260VAC/220VDC 1300VA/150W, manual mode reset will latch until reset, Auto mode will remain on for programmable time delay (0.01-99.99s) and recycle.	2 individually programmed relays (SPST), 5A 260VAC/220VDC 1300VA/150W, manual mode reset will latch until reset, Auto mode will remain on for programmable time delay (0.01-99.99s) and recycle	Relay (NO or NC) 8A 230VAC/ 220VDC, manual mode (loop off) preset will latch until reset, Auto mode (loop on) will remain on for programmable time delay (0.1-9.9Sec in 100ms intervals.)
Prescaler	Multiply 0.00001 - 9.99999 (default 1.00000), divide 1 – 999999 (default 1)		—
Keyboard Disable	Programmable levels of keyboard inhibit through an Opto-isolated 10-30VDC input		Rear contact closure to disable front keypad
Programming	Keypad for all functions		
Housing	Black Plastic		
Mounting	Panel Mount		
Connection	Terminals (13 AWG max)		
Environmental	IP 65 (NEMA 4) when properly installed using sealing gasket supplied. (without bezel)		
Temperature	Operating: +14 to +140 °F / -10 to +60 °C Storage: -14 to +158F / -20 to +70 °C		

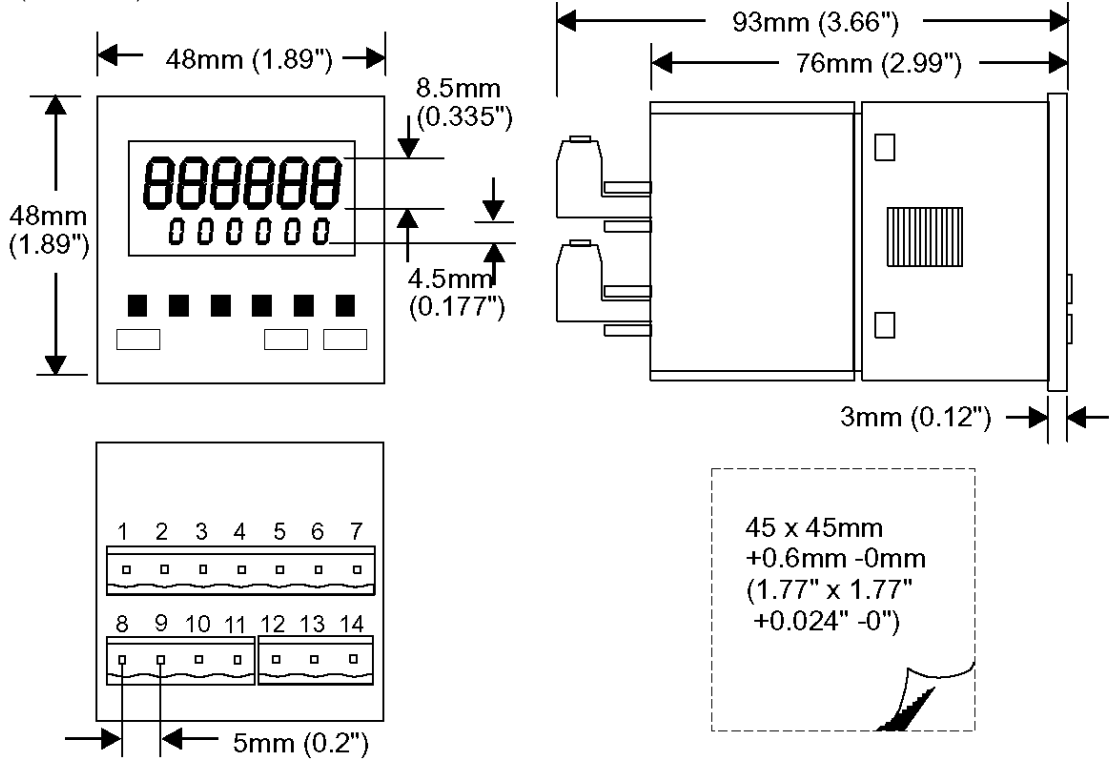
Preset Counter/Timer

***Input**

High Speed Inputs: These are high speed inputs (10kHz max), suitable only for electronic signal sources - transistors, proximity switches, and encoders.

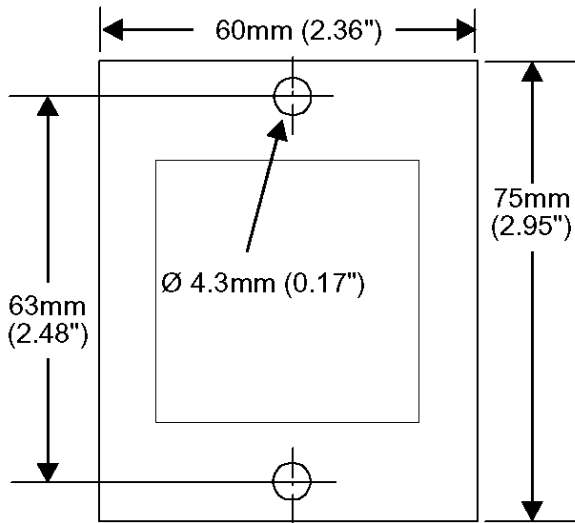
Low Speed Inputs: These are low speed inputs (30Hz max), suitable for contact closure sources - microswitches, relays, and pushbuttons. Any contact noise is removed by filtering. They can also be used for electronic signal sources

Dimensions: (not to scale)



Rear view of PS3-12 terminal configuration, may vary for other models.

Screw-fixed bezel



Fixing Clip

