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.

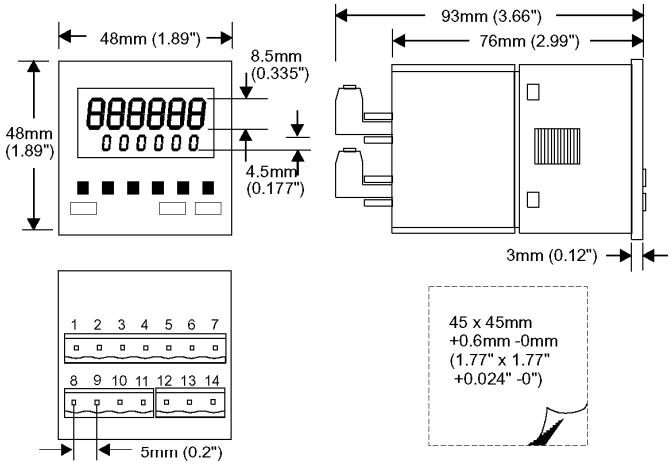
SPECIFICATIONS:

Model	PS3-12	PS3-22
Function	Preset Counter / Timer	Preset counter w/ 2 presets
Voltage Supply	94-240V AC ± 10% 50/60Hz VA rating 4VA or 12-24VDC ± 10 @ 100mA (max)	
Display	2 Lines of 6 digit supertwist LCD with yellow/green LED backlight . Line 1: 0.28" (7 mm) indicates count/time, line 2: 0.16" (4 mm) indicates preset, programmable decimal point up to 3 places	
Backlight	Programmable To Always ON, Always OFF or AUTO (ON for 30s following last key press)	
Output Power	+12Vdc ±10% @100mA, for powering sensors, encoder, etc.(AC powered only)	
Memory	40 year data retention with no battery	
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
Count Speed	1) High speed 10 kHz max 2) Low speed 30 Hz max	
Timing Mode	0.01 seconds, seconds, minutes, hours & 100ths 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).	
Scaling	Multiply 0.00001 - 9.99999, default 1.00000 Divide 1 - 99999, default 00001	
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 (N.O. or N.C.) self latching, contacts rated at 5A @ 30VDC, 0.5A @ 240VAC resistive load. In the manual reset mode (loop off), the output will remain latched until reset. In the auto-reset (loop on) mode the output will remain "on" for a user selectable time delay (0.01 to 99.99 sec).	
Keyboard Disable	Rear contact closure to disable front keypad	
Programming	Keypad for all functions	
Housing	Black Plastic	
Mounting	Panel Mount	
Connection	Screw Terminals	
Environmental	Front panel IP 65 (NEMA 4)	
Temperature	Operating: +14 to +122 °F / -10 to + 50 °C Storage: -14 to +140F / -20 to +60 °C	

DESCRIPTION:

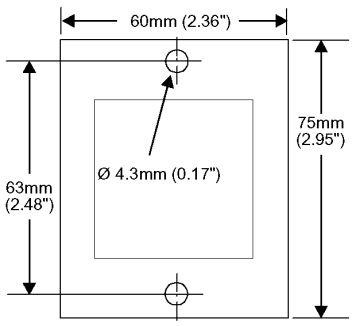
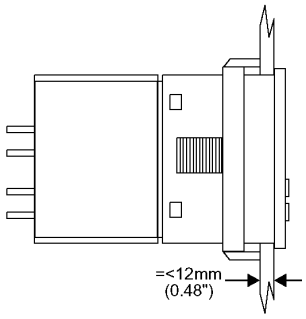
The PS3 Series of 6 digit preset counters/timers offers operation on a wide supply range of AC/DC voltages. This Series also accepts a wide range of inputs including AC/DC and contact closure. Each unit has a preset constantly shown below the main display. The preset can be latched until reset or auto-cycled 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.

Dimensions: (not to scale)



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

Screw-fixed bezel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