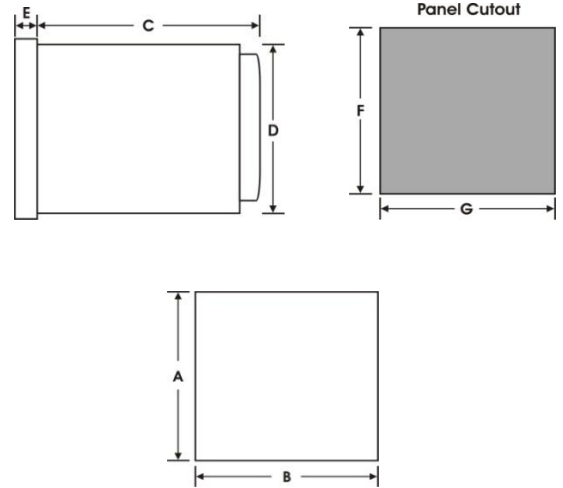


DIGITAL TIMER : TDPW



Pushwheel Timer

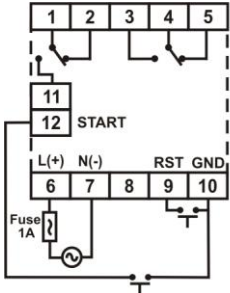
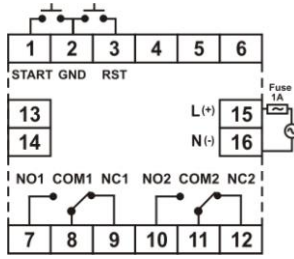
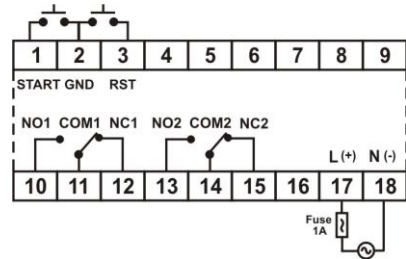
FEATURES	<ul style="list-style-type: none"> Single Set point ON Delay / Interval modes Time range: 0.01sec to 99.9 hours Output 2 C/O Front Panel reset Down counting High Reliability 	TIME RANGES	
		<p>0 - 9.99 Sec 0 - 99.9 Sec 0 - 999 Sec</p> <p>0 - 99.9Min 0 - 999Min</p> <p>0 - 99.9Hr (switch selectable)</p>	
OPERATING MODES	ON Delay / Interval (switch selectable)		
SUPPLY	SUPPLY VOLTAGE	85 to 270V AC, 50 – 60Hz / 24V AC/DC* (Recommended fuse : 1A, 230V AC Fast blow)	
	POWER CONSUMPTION	3VA Max	
	INRUSH CURRENT	Max. 2A@240V AC for 20ms / 5A@24VDC	
INPUT SPECIFICATIONS	DISPLAY	7 segment LED(Red), Height : 0.37" (TDPW-48) : 0.5" (TDPW-72/96)	
	TIME SETTING	Pushwheel	
	DIGITS	3 digits	
	START INPUT	Pulse Start upon contact closure (15msec min.)	
	ACCURACY	±0.05% of Set Time or 50msec (whichever is greater) Repeat : ±0.05%	
	RESET	Front, Remote, On interruption of power Reset time < 100msec	
OUTPUT SPECIFICATIONS	OUTPUT CONTACT	DPDT (2 C/O)	
	CONTACT RATING	5A@250V AC	
	INDICATION	LED Status Indicator : Relay ON	
ISOLATION	Supply Terminals – Contacts : 1.5KV, 1min Contact Set1 – Contact Set2 : 1.5KV, 1min Supply Terminal – Start/Reset : 1.5KV, 1min Start/Reset – Contacts : 1.5KV, 1min		
ENDURANCE	RELAY	MECHANICAL : 10,000,000 ops. Minimum (1800 ops./hr.) ELECTRICAL : 100,000 ops. Minimum (1200 ops./hr.)	
AMBIENT CONDITIONS	OPERATING AMBIENT	0 to 55°C	
	STORAGE AMBIENT	-5°C to 50°C	
	HUMIDITY	95% RH non condensing	
GENERAL SPECIFICATIONS	TERMINATIONS	Screw type, for 2.5mm sq. wire	
	MOUNTING	Panel Mount	
	PROTECTION LEVEL	IP20	

	DIM	A	B	C	D	E	F	G
MODELS								
TDPW-48	48	48	95	46	4	46	46	
TDPW-72	72	72	115	68	10	69	69	
TDPW-96	96	96	75	90	10	92	92	

Dimensions		All dimensions in mm
TIME RANGE	MODE	
<div style="display: flex; align-items: center; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">4</div> </div>	<div style="border: 1px solid black; padding: 2px;">1</div>	9.99sec
<div style="display: flex; align-items: center; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">4</div> </div>	<div style="border: 1px solid black; padding: 2px;">1</div>	99.9sec
<div style="display: flex; align-items: center; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">4</div> </div>		999sec
<div style="display: flex; align-items: center; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">4</div> </div>	<div style="border: 1px solid black; padding: 2px;">ON</div> <div style="border: 1px solid black; padding: 2px;">↑</div>	99.9min
<div style="display: flex; align-items: center; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">4</div> </div>		999min
<div style="display: flex; align-items: center; gap: 5px;"> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">4</div> </div>		99.9hr
Switch Settings		

Timing Diagram	<p style="text-align: center; font-size: small;">t = Set Time</p>
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*Refer ordering information on page 2.

TDPW - 48 - Z				
ORDERING INFORMATION	DESIGN NAME	SIZE	SUPPLY VOLTAGE	
	TDPW	48 : 48mm x 48mm	Z : 85 to 270V AC , 50 – 60Hz 24V : 20V to 30V AC(50 – 60Hz)/DC	150 gms
		72 : 72mm x 72mm		210 gms
		96 : 96mm x 96mm		230 gms
TERMINAL CONNECTIONS	TDPW-48	TDPW-72	TDPW-96	
	 <p>L(+):6 N(-):7 NO1:3 COM1:4 NC1:5 NO2:11 COM2:1 NC2:2 RST:9 GND:10 START:12</p>	 <p>START GND RST L(+):15 N(-):16 NO1 COM1 NC1 NO2 COM2 NC2</p>	 <p>START GND RST NO1 COM1 NC1 NO2 COM2 NC2 L(+):17 N(-):18</p>	

Operating Instructions:-

1. Set time range and mode by DIP switches (located on rear side of timer).
2. Desired time range is to be set by front Pushwheel, e.g. If selected time range is 9.99sec and desired time is 5.02sec then pushwheel setting will be '502'.
3. Accordingly apply start input (refer Terminal Connection). Start input will be applicable only after completion of running time or after reset input or after power on. For every start input, timer will start on current pushwheel and switch settings.
4. If pushwheel or switch settings are altered before completion of set time, then timer can be reset by applying reset input.