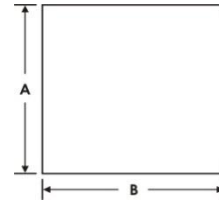
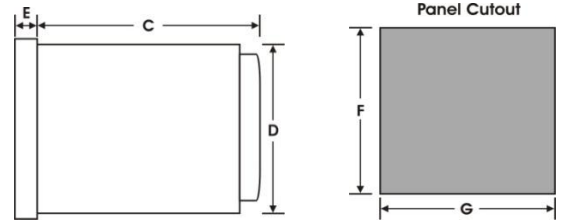


DIGITAL TIMER : TDPW



Pushwheel Timer



All dimension in mm

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			
		0 - 9.99 Sec 0 - 99.9 Sec 0 - 999 Sec 0 - 99.9Min 0 - 999Min 0 - 99.9Hr (switch selectable)			
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			
*Refer ordering information on page 2.					

	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
9.99sec	ON DELAY
99.9sec	INTERVAL
999sec	DIR ON
99.9min	
999min	
99.9hr	

Switch Settings

SUPPLY VOLTAGE	
START	
RESET	
INTERVAL NO CONTACT	
ON DELAY NO CONTACT	

t = Set Time

Timing Diagram

ORDERING INFORMATION	TDPW - 48 - Z			
	DESIGN NAME	SIZE	SUPPLY VOLTAGE	WEIGHT
	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> L(+):15 N(-):16 </p>	<p> 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 with 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.