



Description	STAR DELTA TIMER	CYCLIC TIMER	FORWARD PAUSE REVERSE TIMER
Model	VIPS-99 SD	VIPS-99C	VIPS-99 FPR
Features	Consistent Reliability with High Accuracy Low Cost Run Up Time & Change Over Time User Settable LED Indication for Star & Delta relay Compact Size	Consistent Reliability with High Accuracy Low Cost Cyclic with Unequal ON & OFF Time Cyclic ON First / OFF First User Settable LED Indication for Power ON / Relay ON Compact Size	Consistent reliability with high accuracy Forward & Reverse relay Compact size
Auxiliary Supply	230VAC / 415 VAC, 50/60Hz & 24V AC/DC		230 VAC & 24 V AC / DC 110VAC & 240V AC / DC
Run Up Time	0 - 30 / 60 Sec.		---
Change Over time	50 / 100 msec.		---
Relay Contacts	1 C/O Potential Free Contact (NO, C & NC) 2 C/O on request		
Contact Rating	5 Amps / 230VAC / 28VDC		
ON / OFF Time Ranges			1 / 10 Sec. / Min. / Hr.
ON Time Ranges	---		1 / 2 / 4 / 8 Min.
Pause Time Ranges	---		10 / 20 / 40 / 80 Sec.
Accuracy	± 5% of full Scale		
Repeatability	Repeatability : ±0.5%		
Reset Time	<100m Sec. on power interruption		
Temperature	<b>Operating:</b> -10° C to 55° C, <b>Storage:</b> -20° C to + 75° C		
Humidity	< 95% RH (non condensing)		
Dimension	22.5 x 77 x 105 mm (W x L x H)		
Mounting	Din (35 mm rail) / 2 x m4 screw		
Weight	120 gms	130 gms	120 gms

## VIPS-99 / VIPS-99 MF

## TIMERS

**Features**

- Consistent Reliability with High Accuracy
- Low Cost
- Time Delay User Settable (4 Ranges)
- LED Indication for Power & Relay status
- Compact Size
- ON Delay / Interval Modes of Operations

**Features**

- Consistent Reliability with High Accuracy
- Low Cost
- Time Delay User Settable (4 Ranges)
- LED Indication for Power & Relay status
- Compact Size

Description	TIMER	MULTIFUNCTION TIMER
Model	VIPS-99	VIPS-99 MF
Auxiliary Supply	230VAC 50/60 Hz & 24V AC/DC, 110VAC 50/60Hz & 24V AC/DC	
Relay Contacts	1 C/O Potential Free Contact (NO, C & NC) 2 C/O on request	
Contact Rating	5 Amps / 230 V AC / 28 V DC	
Time Ranges	0 - 15 / 60 Sec. / 7.5 / 60 min.	0 - 1 / 3 / 10 / 30 Sec. / min. / Hr.
Accuracy	± 5% of full Scale	
Repeatability	Repeatability : ±0.5%	
Reset Time	<100m Sec. on power interruption	
Temperature	<b>Operating:</b> -10° C to 55° C, <b>Storage:</b> -20° C to + 75° C	
Humidity	< 95% RH (non condensing)	
Dimension	17.5 x 91 x 64 mm (W x L x H)	22.5 x 77 x 105 mm (W x L x H)
Mounting	Din (35 mm rail)	Din (35 mm rail) / 2 x m4 screw
Weight	65 gms	120 gms