

TS-Series Time Switch

TS-203/TS-203B

Features

- Switches On and Off 4 times in a day with respect to real time.
- LED indication for relay status, LCD display for real time clock.
- User friendly programming with manual over ride facility .
- Clock hour and Clock minute buttons can be enabled by shorting terminals to program RTC.
- Program hour and program minute buttons can be enabled by shorting terminals to program the load's START time and DURATION for which the load should be On.
- **TS-203** - Suitable for Panel / Flush mounting.
- **TS-203B**-Suitable for Din rail mounting.



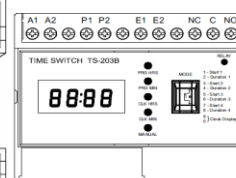
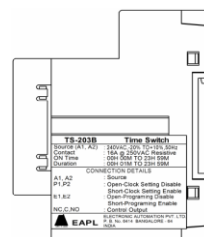
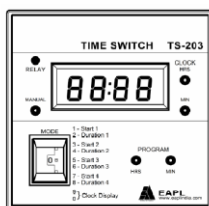
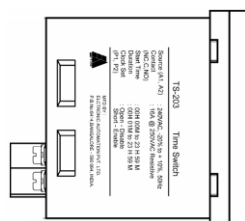
Ordering Information

Models	Function	Source Voltage	Output
TS-203	Digital Daily Time Switch with 4 Program	240V AC	1 C/o, 16A resistive
TS-203B			

Note: All above models are also available with 110V AC and 24V DC.

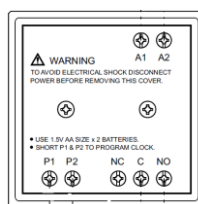
Side & Front View TS-203

TS-203B



Rear View

TS-203



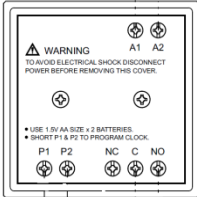
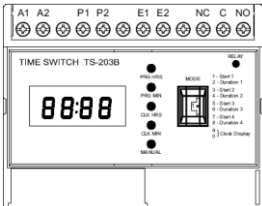
Over-all and cut-out Dimensions

Models	Dimension Details in mm			Cut-out Dimension in mm	
	W	H	D	W	H
TS-203	72	72	84	69	69
TS-203B	86	110	68	-	-

■ Specifications

Parameters	Models	TS-203	TS-203B
Function		Digital Daily Time Switch with 4 Programs	
Number of Programs		4 Programs per day	
Rated Supply Voltage		240V AC	
Operating voltage range		-20% to +10% of the rated voltage	
Rated frequency		50Hz \pm 5%	
Battery Backup		1 Year Min	
Control Output		1 c/o rated for 16A @ 250V AC/28V DC resistive load	
Time Range		ON TIME : 00H 00M to 23H 59M DURATION : 00H 01M to 23H 59M	
Display		0.39" LCD	
Power consumption		From Mains: AC Approx. 12.5VA(2.5W)	
Switching accuracy		\pm 2 Sec max.	
Recovery Time		100mSec minimum	
Variation due to voltage change		\pm 2 Sec max	
Variation due to temperature change		\pm 2 Sec max	
Variation due to frequency change		\pm 2 Sec max	
Ambient temperature		0° C to 50° C (with no icing)	
Humidity		Max 85% RH @40° C	
Service life (under no load)		10 ⁶ operations minimum	
Electrical life (under full load)		10 ⁵ operations minimum	
Insulation resistance		>100M ohms @ 500V DC	
Dielectric strength		1)2.5KV AC, 50Hz for 1 minute.(Between current carrying & non-current carrying parts) 2)1.5KV AC, 50Hz for 1 minute.(Between contacts & control circuit) 3)1KV AC, 50Hz for 1 minute. (between non-continuous relay contacts)	
Electrical connection		Screw type terminals with self lifting clamps	
Overall Dimension		72 X 72 X 84mm(W x H x D)	110 x 86 x 68mm (L x W x D)
Cut out Dimension		69 X 69mm(W x H)	-

Connection and Terminal Details

Connection Details	TS-203	TS-203B
		
Terminal Details	TS-203	TS-203B
	A1, A2 : Source voltage P1, P2 : Short Enable NC, C, NO : Contacts	A1, A2 : Source voltage P1, P2 : Short - Clock Setting Enable Open- Clock Setting Disable E1 & E2 : Short -Programming Enable Open- Programming Disable NC, C, NO: Contacts