



DIGITAL TIME SWITCH

Product code : REDPDT100-20/32, REDPDT300-20/32
 REDPDT101-20/32, REDPDT301-20/32
 REDPDT102-20/32, REDPDT302-20/32

Features:

- Fast and accurate performance was performed by an 8-bit, 32-MHz Power-full Micro-controller.
- Clock display continuously.
- 2 / 6 / 12 time On and off the unit in a day.
- 20 / 32 amp load on and off directly.
- Wide battery backup more than 500 hr In condition of light failure..
- Excellent look, Very Easy to Set on off and clock time.

Application:

The Digital Time Switch is use to controlling the equipment according to the time. Also it is use as a digital clock.

It is used for street light controlling, glow sign board controlling, factory time alarm, school time alarm etc.

Device controlling mode:

- **2 ON 2 OFF** : Product code REDPDT100, REDPDT300, can set 2 on time and 2 off time in a day. (optional -s [second off] -d [day off])
- **6 ON 6 OFF** : Product code REDPDT101, REDPDT301, can set 6 on and 6 off time in a day. (optional -s [second off] -d [day off])
- **12 ON 12 OFF** : Product code REDPDT102, REDPDT302, can set 12 on and 12 off time in a day. (optional -s [second off] -d [day off])

Precautions:

- Keep device away from direct water fall or rain.
- keep safe from direct sun light.
- make screw tight properly.
- Don't connect load high then rated
- **warranty void** for water damage or relay burn out.

PRODUCT SPECIFICATION

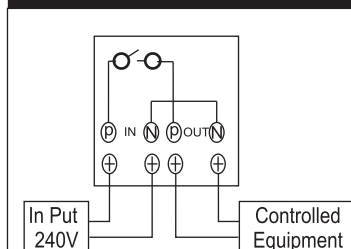
Product code	REDPDT 100 / 101/ 102	REDPDT 300 / 301 / 302
Supply Characteristics		
Supply Voltage	240VAC, +/-20%	415VAC, +/-20%
Supply Frequency	47-63 Hz.	
Power consumption	2.7VA	2.5VA

DEVICE Characteristics

Display	.39 Inch 4 digits 7 segment LCD.
Numbers of programs	2 On 2 off (REDPDT100 / 300)
	6 On 6 Off (REDPDT101 / 301)
	12 On 12 Off (REDPDT102 / 302)
Battery Backup	Approx 3 Years running reserve at 20° C ambient temperature.
Clock resolution	1 Minute
Clock Accuracy	±2 Second per day.
Clock Mode	00-00 to 23-59 (hh-mm)
Led Indication	Led 1 : red : For program mode
	Led 2 : Green : For relay status
Number of Key	6
Output mode	Relay On / Off
Contact Ratings	1N/O, 20 Amp @ 250VAC. (-20)
	1N/O, 32 Amp @ 250VAC. (-32)
Electrical life	10,00,000 Operation

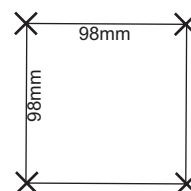
Mechanical life	10,00,000 Operation
Operating Temperature	-10°c to +60°c
Storage Temperature	-10°c to +70°c
Weight Approx.	400gm
Relative Humidity	5 to 15% RH (non condensing)
Mounting type	Base mount

CONNECTION DIAGRAM



WIRE CONNECTED : 0.5 TO 4 MM²

DRILL DIAGRAM



Specification are subject to change without notice due to continuous improvement

PROGRAM TIME SWITCH

SET ON, OFF AND CLOCK TIME

Power on unit

Press both key
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Set parameter

ON	HOUR	To set ON time HOUR(0-23)
	MIN	To set ON time MINUTE
OFF	HOUR	To set OFF time HOUR (0-23)
	MIN	To set OFF time MINUTE
CLK	HOUR	To set CLOCK HOUR (0-23)
	MIN	To set CLOCK MINUTE

SET MODE OF TIME-2

SET		Switch mode between time1 and time2.
Set mode of time 2 and follow above.		

CHECK UNIT ON & OFF TIME

Press and **hold On key** and **Power on** unit

Display

Prog

00.01

RESULT BELOW ON OFF

ON	00.02	On at 2 minute
OFF	00.03	Off at 3 minute
ON	00.04	On at 4 minute
OFF	00.05	Off at 5 minute

FACTORY RESET (CLEAR) UNIT

Press and **hold On key** and **Power on** unit

Display

CLER

00.00 ALL ON OFF TIME

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