

SPECIFICATIONS

DISPLAY

6 Digit (2 + 4),

0.3" Height, 7 seament LED.

SUPPLY VOLTAGE

85 to 270V AC/DC(AC@50 or 60Hz).

FUNCTION MODES

- 1. Parallel.
- 2. Seguential.

DELAY MODES

Interval, Cyclic ON first, Cyclic OFF first, ON Delay.

TIME RANGES

99.99 sec. 999.9 sec. 99.59min.sec. 99.59hr.min. 999.9hr.

LED INDICATION

Output status, Time range, ON/ OFF time, Cascade output status. Timing in progress.

INPUT

Start. Hold.

COUNTING DIRECTION

Up.

OUTPUT

Channels: 8 (NO). Cascade output: 1.

RESET INPUT

- 1. Front panel.(selectable)
- 2. Remote reset.
- 3. On power interruption. (selectable)

RESET TIME

Less than 100 msec.

ACCURACY

0.5%

MEMORY RETENTION

10 years (User selectable).

CONFIGURATION LOCK

Via rear terminals.

TEMPERATURE

Operating: 0 to 50°C. Storage : - 5 to 50°C.

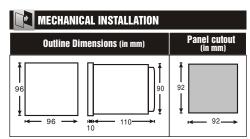
HOUSING

ABS. **MOUNTING**

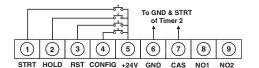
Panel mounting.

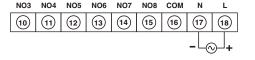
WEIGHT

420 grams.



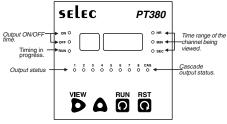
TERMINAL CONNECTIONS





Terminal	Description
1	Start
2	Hold
3	Reset
4	Configuration
5	+24VDC for Start, Hold, Reset and Configuration inputs.
6	GND for Proximity switches & for Cascading.
7	Cascade Output
8 - 15	NO Contacts for 8 relays
16	COM for 8 relays
17	N (Neutral)
18	L (Live)

FRONT PANEL IDENTIFICATION

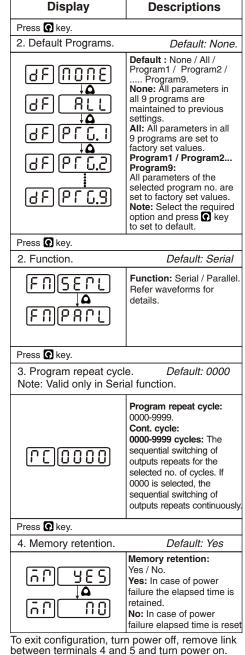


KEYS	FUNCTIONS
VIEW	 Selects the digit to be altered. Selected digit blinks. With every press of ▶ key, next digit towards the right starts blinking. In combination with ♠ key to enter online programming. Displays elapsed time of the channel selected. (Valid only in parallel function)
۵	Increments value of blinking digit. Scrolls up to next option for parameter.
RUN	Scrolls to previous parameter (not option) in programming. Selects program to be run.
RST	Scrolls to next parameter in programming and stores value of previous parameter. Front panel RST.

CONFIGURATION

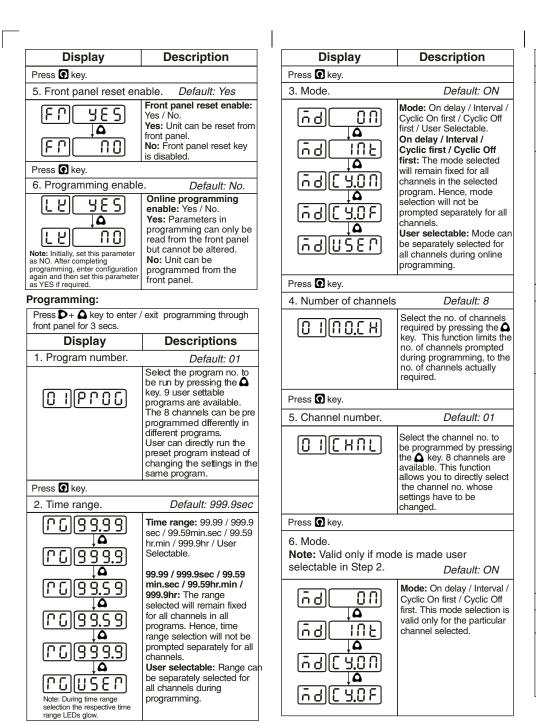
To enter configuration, short terminals 4 and 5 and turn power on.

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Display	Descriptions
1. Reset Configuration.	Default: No.
rs no + a rs yes	Reset all: No / Yes. No: All parameters in configuration are maintained to previous settings. Yes: All parameters in configuration are set to factory set values. Note: Select the required option and press key to set to default.

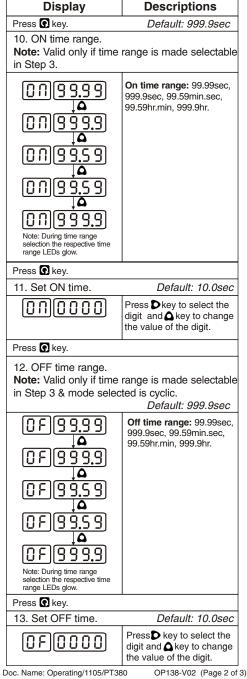


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Display	Descriptions			
Press © key.				
7. Number of cycles Default: 0000 Note: This parameter is prompted only for channel1 if channel1 is in cyclic mode in parallel function.				
* C A O O O O	Number of cycles: 0000 to 9999. This indicates the no. of cyclic operations. No. of cycles = 0000 indicates continuous cyclic operation. Press ▶ to select the digit and ♠ key to change the value of the digit.			
Press 🕠 key.				
8. Start time range.	Default: 999.9sec			
Note: This parameter is valid only if time range is made selectable Step 3 & mode selected is cyclic.				
SE 9999 SE 9959 SE 9999 Note: During time range selection the respective time range LEDs glow.	Start time range: 99.99sec, 999.9sec, 99.59min.sec, 99.59hr.min, 999.9hr.			
Press 🖸 key.				
9. Set start time.	Default: 10.0sec			
SE0000 *	Press key to select the digit and key to change the value of the digit.			



Pressing key now will take you back to **Channel no.** selection (step 5).

Select the next channel no. by using the key and program the settings for that channel.

Step 5 to 13 will keep repeating till the selected no. of channels are programmed.

After one program is over, display will go back to **Program no.** selection (step 1).

Select the next program no. if required by using the **\Delta** key. Now you can do the settings for the next program or you can exit programming by pressing **\Delta** + **\Delta** keys for 3sec.

After coming out of programming select the program no. to be run and then give the Start pulse.

To view elapsed time for particular channel (This function is valid only for parallel mode)

To view elapsed time for any particular channel:

- Press key momentarily each time till the elapsed time for the required channel is displayed.
- 2. Left 2 digits of the display show the channel no. and the other 4 digits show the elapsed time.

Select program no. to be run

- 1. Press momentarily to enter RUN mode.
- 2. Press A key each time to select the required

program no. and press Now give Start pulse.

Running program cannot be changed once the timing operation has started.

Reset the unit: To reset the unit, press (1) key continuously for 3sec. or short terminals 3 & 5 momentarily.

FUNCTIONS

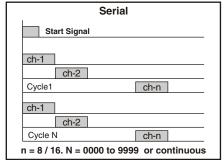
Serial

1. Serial continuous cycle mode:

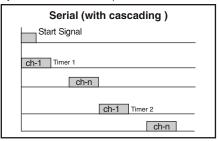
The sequential switching of outputs will repeat continuously after the end of each cycle.

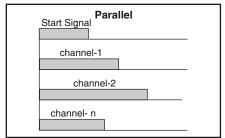
2. Serial selectable cycle mode:

The sequential switching of outputs will repeat for the selected no. of cycles after the end of each cycle.



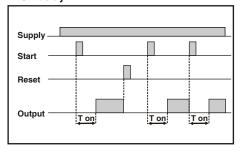
Cascading the timer: Connect the CAS and GND terminals of the first timer to the STRT and GND terminals of the second timer respectively. Cascade output is valid only in case of Serial function. In Serial continuous cycle mode, the cascade output remains de-activated. In Serial selectable cycle mode, after the end of the set no. of cycles, the cascade output will be activated.



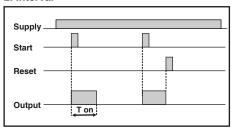


MODES OF OPERATION

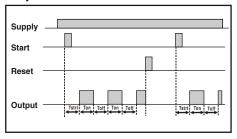
1. On delay



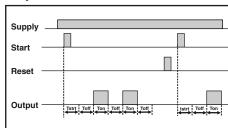
2. Interval



3. Cyclic ON - First



4. Cyclic OFF - First



(Specifications are subject to change, since development is a continuous process)

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