TST-2 / 3 Programmable Touchscreen Timeswitch

ver 1.0

LCD Symbols

Symbols	Description	Symbols	Description
⏻	Switch the timeswitch on and off	Program 1,2,3,4	The program number
🔒	Button lock	Zone	Touch to alter the zones
✍	Manual mode	Menu	Touch to enter menu settings
AUTO	Automatic mode, executes the programmed schedules	Schedule	Touch to start programming of the timeswitch
O/RIDE	Temporary override	Mode	Touch to switch between Auto and Manual
Day	Day of the week. Day 1= Monday, Day 2= Tuesday... etc.	Done	Touch to confirm and exit the settings

Alternating the Heating Zones

In order to alternate between the heating zones you should press [Zone] , the LCD will display ZONE 1 （Heating 1）or ZONE 2 (DHW).

Configuration Menu

To enter into menu settings, touch ⏻ to turn the timeswitch off, and then touch [Menu]

Then you will see menu 01. Touch [Next] or [Previous] to select the menu number. Use △ or ▽ adjust the settings. Touch [Done] to accept and store.

Menu #	Features description	Features Explanation	Touch △ or ▽ to adjust
01	Backlight on time	To set the backlight on time.	10, 20,30,40,50,60 seconds. ON by default
02	Clock format	12 Hour or 24 Hour clock format selection	24H / 12H 24 hour clock by default
03	5+2 /7 Day program mode	This allows you to program either 5 days at once, then the 2 days of the weekend separately, or a full 7 days at the same time or 7 days separately	5 2 = 5+2 day programmable 7 = 7 day programmable (by default)
04	Key click sound	Choose whether or not a key click sound is audible when you press the LCD screen	ON = sound audible; OFF = sound off
05	Zone names	TST-2: 00= Heating 1, DHW ; 01= Channel 1, Channel 2 TST-3: 00= Heating 1, Heating 2, DHW ; 01= Channel 1, Channel 2, Channel 3	01 by default

Setting the clock and day of the week

This timeswitch is fitted with a real time clock. It is essential that the clock time and day are set accurately if you require your programmed events to start on time. Follow below steps,

1) Touch time display . Use △ or ▽ to change the time. Press and hold △ or ▽ to change the time faster. Touch [Done] to store and exit(or touch time display to cancel and exit).

2) Touch day display . Use △ or ▽ to change the day. Touch [Done] to store and exit.(or touch Day display to cancel and exit).

Select the required operating mode

Auto - Automatic mode, the timeswitch executes the preprogrammed schedules. To adjust these schedules, see page 2 the program section.

✍ - Manual mode, the timeswitch maintains a constant output status manually set by the user.

Lock the Keypad

To lock the keypad, press and hold the bottom left corner of the display for 5 seconds, you will see a lock symbol 🔒 .To unlock, repeat the steps above.

Reset to Factory Settings

With the timeswitch turned off, press and hold the upper left corner of the display for 5 seconds until you can see"RES " (RESET) on LCD.

Temporary Temperature Override

Touch the ON/OFF display, and it will start to flash. Use △ or ▽ to adjust. Press [DONE] to accept, and you will see "O/RIDE" on LCD. Timeswitch will maintain the new set status until the next programmed event(comfort level). To cancel the override setting, press [Run Schedule]

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Save money by setting program schedules

This timeswitch allows for individual 7-day programming. For each day of the week you are able to set 4 timed schedules.

Programme	Start time	Setpoint
1	07:00	ON
2	09:30	OFF
3	16:30	ON
4	22:30	OFF

Above are default program schedules, to make changes, follow the steps below.

In 7 day program mode

1. Press [Schedule], you will see day display flashing.

2. Use [+] or [−] adjust the day to the day you wish to start programming or to the day you wish to edit an existing event or program.

   (Press [All Days] to select all days of the week, to cancel selecting all days of the week, press [All Days] again.)

3. Press [Next], the LCD will show program 1 with the time display flashing.

4. Use [+] or [−] adjust the time you wish the program 1 event to commence for the currently selected day or days.

5. Press [Next], the LCD will show ON / OFF flashing.

6. Use [+] or [−] select ON or OFF for the program 1 event.

7. Press [Next], now the LCD will show program 2 with the time display flashing, signifying the second daily event is now being programmed.

8. Repeat step 4,5,6 to set remaining programs. Press [DONE] to store and exit.

Note: It is faster to program the same schedule for the entire week and then to adjust the exceptional days.

In 5_2 day program mode
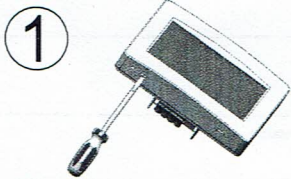
1. Press [Schedule], you will see the time flashing.

2. Use [+] or [−] to set Mon-Fri, then press [Next]

3. Use [+] or [−] to set ON / OFF for this time period, then press [Next]

4. Set time and ON/OFF status for the next time period(Leave). Repeat steps 2 and 3 for each time period of the weekday.

5. Press [Next] to move to the weekend(sat-sun) time periods settings.

6. Press [DONE] to save and exit.

NOTE:

Day 1 - 5, refers to the weekday(Monday to Friday)
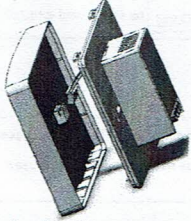Day 6 - 7, refers to the weekend(Saturday and Sunday)

During setting programs, press [Delete] (if visible) will clear a program entry and timeswitch will maintain the ON/ OFF status of the last executed program until the beginning of the next program.
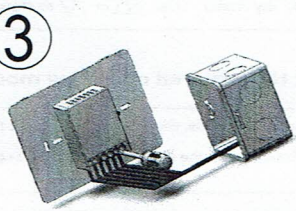
Installation and Wiring

① Carefully separate the front half of the timeswitch from the back plate by placing a small flat head terminal driver into the slots on the bottom face of the timeswitch
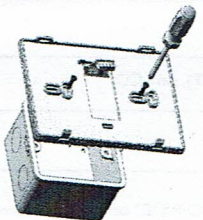
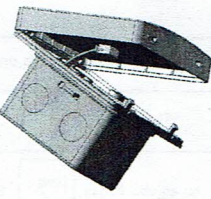② Carefully unplug the ribbon connector which is plugged in to the front half of the timeswitch

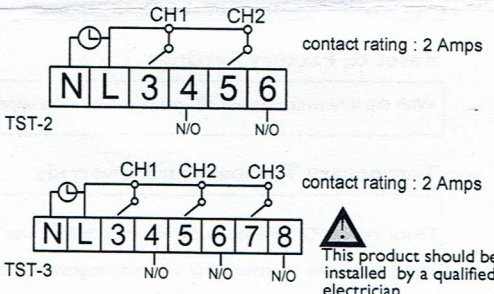③ Place the timeswitch front half somewhere safe. Terminate the timeswitch as shown in the diagrams below

④ Screw the timeswitch back plate on to the back box

⑤ Re-connect the timeswitch ribbon cable and clip the two halves together

contact rating : 2 Amps

CH1   CH2

| N | L | 3 | 4 | 5 | 6 |

TST-2   N/O   N/O

contact rating : 2 Amps

CH1   CH2   CH3

| N | L | 3 | 4 | 5 | 6 | 7 | 8 |

TST-3   N/O   N/O   N/O

⚠ This product should be installed by a qualified electrician.