A17

1 Zone Timeswitch

Installation and Operation Guide

EPH CONTROLS

Table of contents

Installation Instructions

Factory Default Settings 5

Frost Protection 5

Specifications 6

Quick introduction to your A17 Timeswitch 7

Wiring diagram 8

Mounting & Installation 9

Operating Instructions

LCD Symbol Description 13

Button Description 14

Resetting the Timeswitch 15

Keypad lock and unlock 15

Setting the date and time 16

Factory Program Setting 17

Mode selection 18

Adjust the program setting 19

Copy Function	20
Reviewing the program settings	21
Boost function	21
Advance function	22
Holiday mode	23
Backlight mode selection	24
PIN Function	25
Service Interval	27

1 Zone Timeswitch

Installation Instructions

Factory Default Settings

Contacts:	Volt free
Program:	5/2D
Backlight:	On
Keypad:	Unlocked
Clock type:	24 Hr Clock
Daylight saving:	On
In built frost protection:	5˚C - Not adjustable

Frost Protection

5˚C

Frost protection is built into this timeswitch.

It is pre fixed at 5°C and is not adjustable.

It will only be activated when the timeswitch is in the OFF mode and the room temperature falls below 5°C.

Specifications

Power Supply:	200 - 240 Vac, 50-60 Hz, 8 VA
Ambient Temperature:	0 … 45˚C
Relative Humidity Range:	5-95% RH
Contact Rating:	230Vac 3(1)A
Switch Output:	Volt Free
Program Memory Backup:	3 months
Battery:	LIR2032
Backlight:	Blue
IP Rating:	IP20
Backplate:	British System Standard
Pollution Degree:	Pollution Degree 2
Rated Impulse Voltage:	2,500V as per EN 60730
Automatic Action:	Type 1.C
Software:	Class A
Ball Pressure Test Temperature:	70˚C
Dimensions:	140 x 99 x 35mm

Quick introduction to your A17 Timeswitch

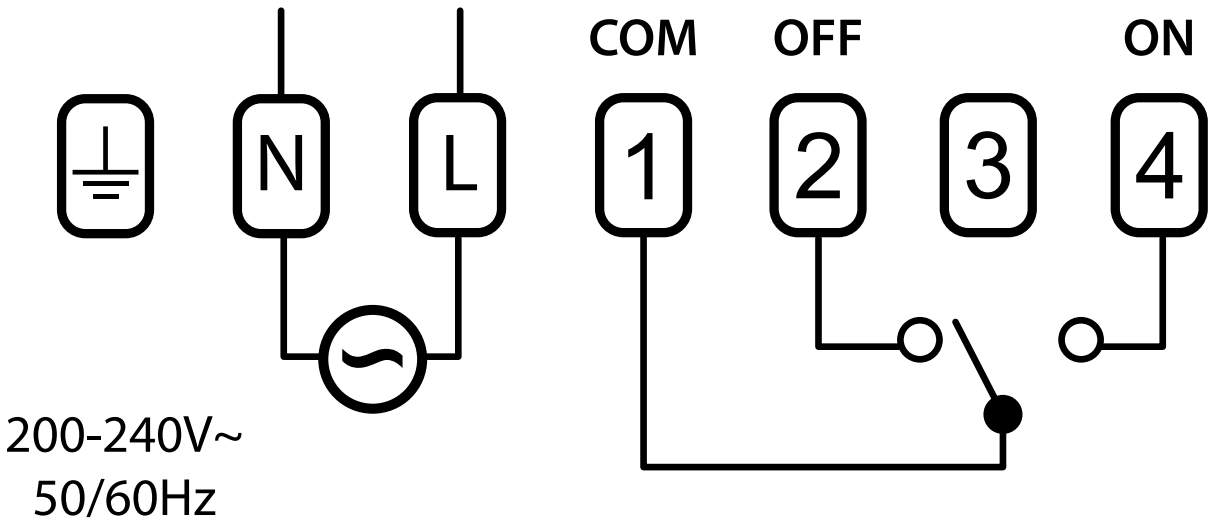
The A17 timeswitch has up to three daily heating programs called P1, P2 and P3. See Page 19 for instructions on how to adjust the program settings.

On the LCD screen of your A17 you can see what mode the timeswitch is currently in.

For 'Mode Selection' please see page 18 for further explanation.

When the timeswitch is ON, you will see the red LED light up. This indicates that power is being sent from the timeswitch.

Wiring diagram



Terminal Connections

⏚	Earth		
N	Neutral		
L	Live		
1	COM	-	Common Connection
2	OFF	-	N/C Normally Closed Connection
4	ON	-	N/O Normally Open Connection

Switching Options

Mains Switching

- Link L to 1.

Low Voltage Switching

- Remove the external controls link from the boiler PCB.
- Connect 1 and 4 to these terminals.

Mounting & Installation

Caution!

- Installation and connection should only be carried out by a qualified person.
- Only qualified electricians or authorised service staff are permitted to open the timeswitch.
- If the timeswitch is used in a way not specified by the manufacturer, its safety may be impaired.
- Prior to setting the timeswitch, it is necessary to complete all required settings described in this section.
- Before commencing installation, the timeswitch must be first disconnected from the mains.

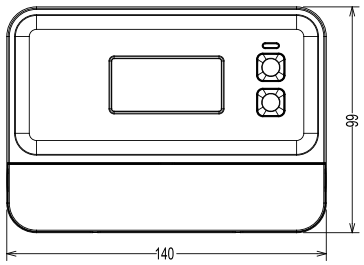
This timeswitch can be mounted in the following ways:

1) **Surface mounted**
2) **Mounted to a recessed conduit box**

Mounting & Installation (Continued)

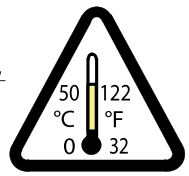
1) Remove the timeswitch from its packaging.
2) Choose a mounting location for the timeswitch:
   - Mount the timeswitch 1.5 metres above the floor level.
   - Prevent direct exposure to sunlight or other heating / cooling sources.
3) Use a philips screwdriver to loosen the screws of the backplate on the bottom of the timeswitch. The timeswitch is lifted upwards from the bottom and removed from the backplate.
   (See Diagram 3 on Page 11)
4) Screw the backplate onto a recessed conduit box or directly to the surface.
5) Wire the backplate as per the wiring diagram on page 8.
6) Sit the timeswitch onto the backplate making sure the timeswitch pins and the backplate contacts are making a sound connection, push the timeswitch flush to the surface and tighten the screws of the backplate from the bottom. (See Diagram 6 on Page 11)

1

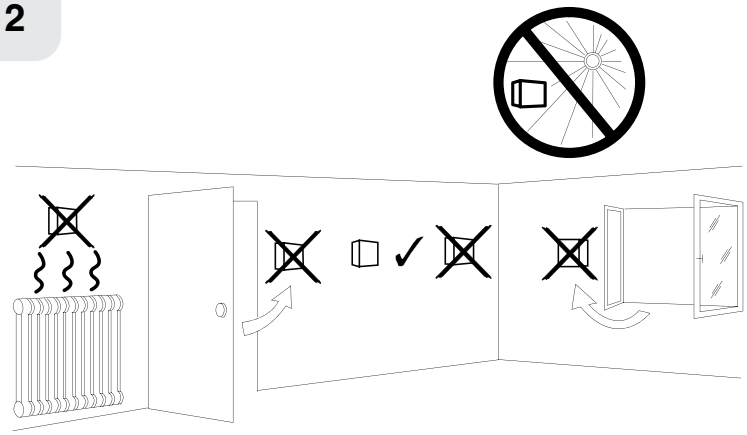


Type
1C
EN60730

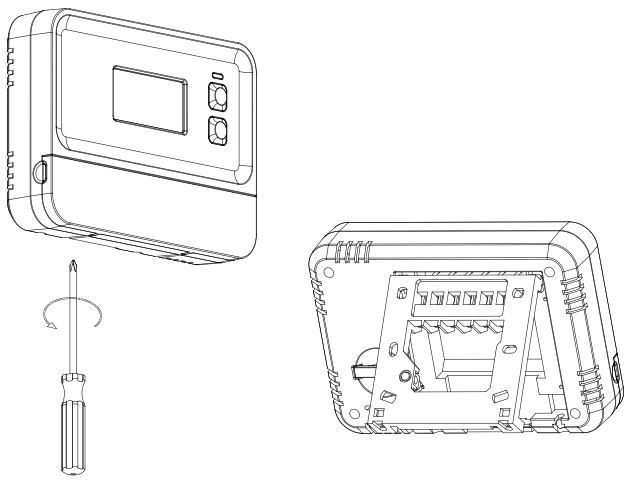
IP20
EN60529



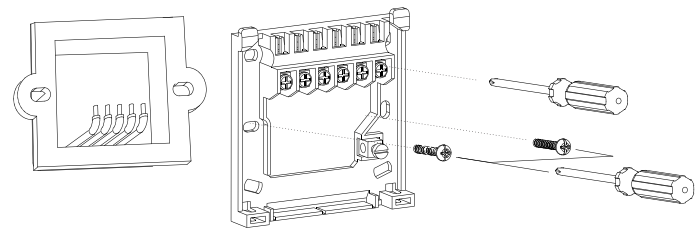
2



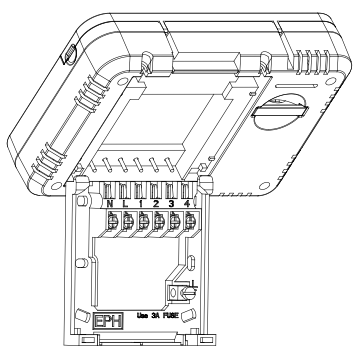
3



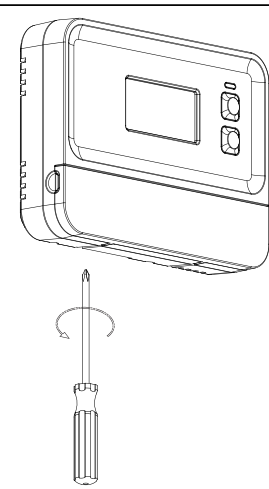
4



5



6

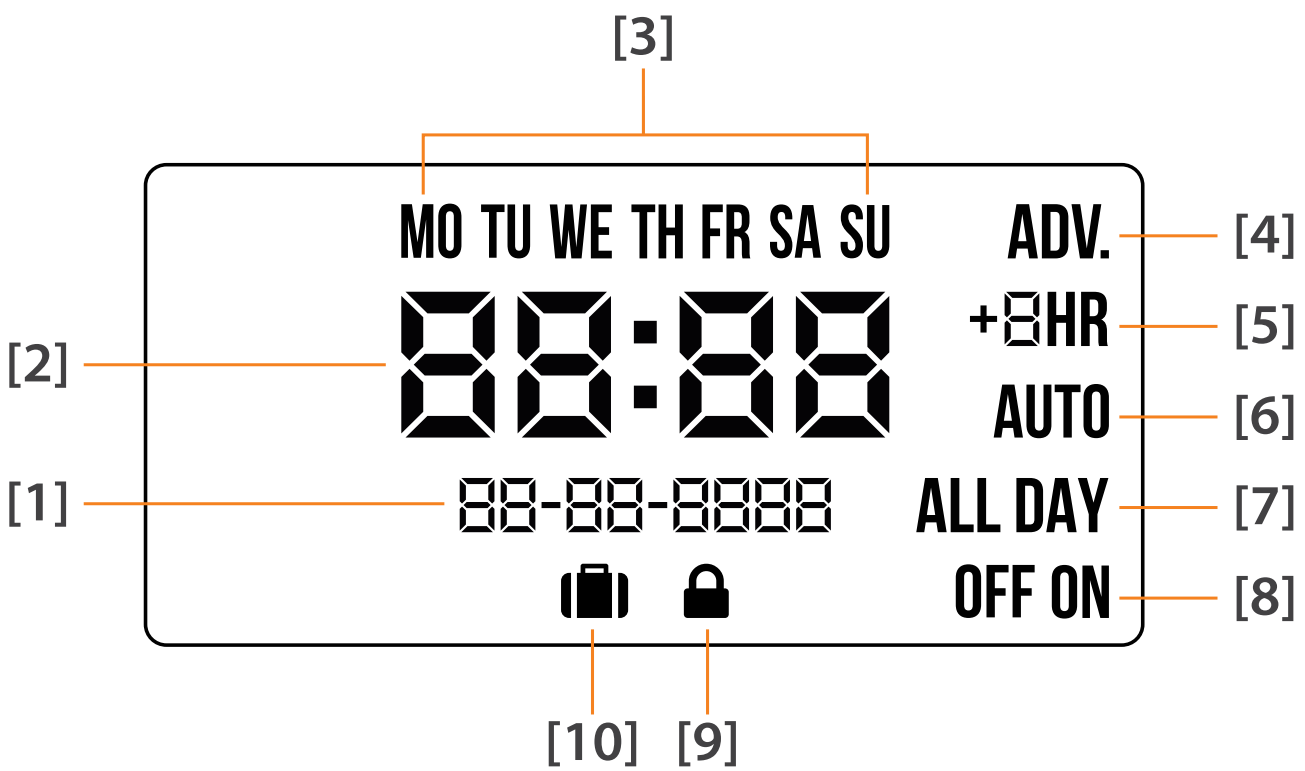


1 Zone Timeswitch

Operating Instructions

LCD Symbol Description

[1] Displays day / month / year
[2] Displays current time.
[3] Displays day of the week.
[4] Displays advance function.
[5] +1hr function.
[6] Displays auto mode is activated.
[7] Displays all day mode.
[8] Displays off & on mode.
[9] Displays when keypad is locked.
[10] Displays holiday mode.



Button Description

+ button

OK button

OK

+1HR button

Advance button

– button

–

Select button

SELECT

Reset button

RESET

Holiday mode

HOLIDAY

Clock set / Run Program Set

RUN

CLOCK SET

PROG SET

Resetting the timeswitch

To reset the timeswitch to factory settings.

Press the RESET button.

This button is located behind the flap on the front of the unit.

'rst no' will appear on the screen.

Press the + button to change from **'rst no'** to **'rst yES'**.

Press OK to confirm.

The timeswitch will restart and revert to factory defined settings.

The time and date will not reset.

Keypad lock and unlock

Unlocked

To lock the keypad, press and hold the OK and HOLIDAY buttons for 5 seconds.

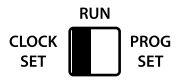
🔒 will appear on the screen. The keypad is now locked.

To unlock the keypad, press and hold the OK and HOLIDAY buttons for 5 seconds.

🔒 will disappear from the screen. The keypad is now unlocked.

Setting the date and time

Lower the flap on the front of the unit.

Move the selector switch to the **CLOCK SET** 

position.

Press the + or − buttons to adjust the day. Press the OK button.

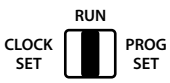
Press the + or − buttons to adjust the month. Press the OK button.

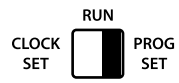
Press the + or − buttons to adjust the year. Press the OK button.

Press the + or − buttons to adjust the hour. Press the OK button.

Press the + or − buttons to adjust the minute. Press the OK button.

Press the + or − buttons to adjust 5/2D, 7D or 24H Press the OK button.

The date, time and mode are now set. Move the selector switch to the **RUN** 

position to run the program, or to the **PROG SET** 

position to change the program setting.

Factory Program Setting

5/2d, 7D. 24H

5/2 Day						
	P1 ON	P1 OFF	P2 ON	P2 OFF	P3 ON	P3 OFF
Mon-Fri	06:30	08:30	12:00	12:00	16:30	22:30
Sat-Sun	07:30	10:00	12:00	12:00	17:00	23:00

7 Day						
	P1 ON	P1 OFF	P2 ON	P2 OFF	P3 ON	P3 OFF
All 7 days	06:30	08:30	12:00	12:00	16:30	22:30

24 Hour						
	P1 ON	P1 OFF	P2 ON	P2 OFF	P3 ON	P3 OFF
Everyday	06:30	08:30	12:00	12:00	16:30	22:30

Mode selection

There are 4 modes available for selection.

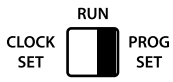
AUTO	The timeswitch operates 3 'ON/OFF' periods per day. (P1, P2, P3)
ALL DAY	The timeswitch operates 1'ON/OFF' period per day. This operates from the first ON time to the third OFF time.
ON	The timeswitch is permanently 'ON'.
OFF	The timeswitch is permanently 'OFF'.

By pressing the

button, you can change between **AUTO** / **ALL DAY** / **ON** / **OFF**.

Adjusting the program settings

Lower the flap on the front of the unit.

Move the selector switch to the **PROG SET** 

position.

You can now program the timeswitch.

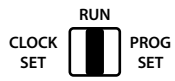
Press the + or − buttons to adjust the **P1 ON** time.

Press the OK button.

Press the + or − buttons to adjust the **P1 OFF** time.

Press the OK button.

Repeat this process to adjust the **ON & OFF** times for **P2 & P3**.

When completed, move the selector switch to the **RUN** 

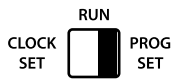
position.

Copy Function

Copy function may only be used if the timeswitch is in the 7d mode.

(See page 16 to select 7d mode)

Lower the flap on the front of the timeswitch.

Move the selector switch to the **PROG SET** 

position.

Set the **ON & OFF** times for the day of the week you wish to copy from.

Press the

button for 2 seconds.

The next day of the week will begin to flash.

Press the

button to copy the **ON & OFF** times to this day.

Press the

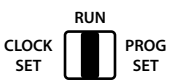
button to skip a day.

ON & OFF times can be copied to multiple days by using the

button.

Press the

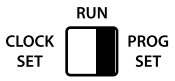
button when copying has been completed.

When completed, move the selector switch to the **RUN** 

position.

Reviewing the Program Settings

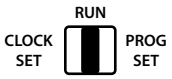
Lower the front flap on the front of the timeswitch.

Move the selector switch to **PROG SET** 

position.

Press OK to scroll through the periods for the individual day (block of days).

Press SELECT to jump to the next day (block of days).

Move the selector switch to 

to return to normal operation.

Boost function

The timeswitch can be boosted for 1, 2 or 3 hours while it is in the AUTO, ALL DAY & OFF mode. Press **+1HR** 1, 2 or 3 times, to apply the desired boost period. When a **+1HR** is pressed there is a 5 second delay before activation where **+1HR** will flash on the screen, this gives the user the time to select the desired boost period. To cancel a boost, press **+1HR** again. When a boost period has ended or has been cancelled, the timeswitch will return to the mode that was previously active prior to the boost.

Note: A Boost cannot be applied while in the ON or Holiday Mode.

Advance function

This function allows the user to bring forward the next switching time.

If the timeswitch is currently timed to be **OFF** and the **ADV** is pressed, the zone will be switched **ON** until the end of the next switching time.

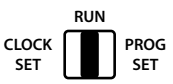
If the zone is currently timed to be **ON** and the **ADV** is pressed, the zone will be switched **OFF** until the end of the next switching time.

Press the **ADV** button for this function.

To cancel the **ADVANCE** function, simply press the **ADV** button again.

Holiday mode

Lower the flap on the front of the unit.

Move the selector switch to the **RUN** 

position.

Press the HOLIDAY button.

The current date and time will flash on the screen.

It is now possible to enter the date when you plan to return.

Press the + or − buttons to adjust the holiday period required.

Press the OK button.

The timeswitch is now switched **OFF** until the holiday period ends.

To cancel the holiday press OK. The timeswitch will return to normal operation when a holiday is finished or cancelled.

Backlight mode selection On

There are two settings for selection. The factory default setting is **ON**.

ON The backlight is permanently ON.

AUTO On pressing any button the backlight stays on for 10 seconds.

To adjust the backlight setting, lower the flap on the front of the unit.

Ensure the selector switch is in the **RUN** CLOCK SET RUN PROG SET position.

Press and hold the OK button for 5 seconds.

On bKLt will appear on screen.

Press either the + or − buttons to select between the **ON** or **AUTO** mode.

Press the OK button.

PIN Function

This function allows the user to put a PIN lock on the timeswitch.

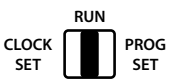
The PIN lock will reduce the functionality of the timeswitch.

The user will have two options to choose from:

01: All buttons will be disabled.

02: Functionality will be reduced to a 1 hour boost. The only modes available are the AUTO & OFF.

Set up the PIN

Ensure the selector is in the **RUN** 

position.

Press and hold OK and + buttons for 5 seconds, '**OFF**' will appear on the screen. Press + to change from **OFF** to **ON**. Press OK . 0000 will flash on the screen. Press + and − to set the value from 0 to 9 for the first digit. Press OK to move to the next PIN digit. When the last digit of the PIN is set, press OK . '**VErIFy**' is displayed with 0000 . Press + and − to set the value from 0 to 9 for the first digit. Press OK to move to the next PIN digit. When the last digit of the PIN is set, Press OK .

PIN Function (Continued)

The PIN is now verified **'OP:01'** will appear on the screen. Press + and − to select between OP:01 and OP:02. Press OK confirm PIN option and the PIN lock is activated.

If the verification PIN is entered incorrectly the user is brought back to the menu. When the PIN lock is active the Lock symbol will flash every second on the screen. When the timeswitch is PIN locked, pressing the OK will take the user to the PIN unlock screen.

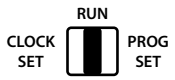
To Unlock the PIN

Press OK , '**UNLOCK**' will appear on the screen. 0000 will flash on the screen. Press + and − to set the value from 0 to 9 for the first digit. Press OK to move to the next PIN digit. When the last digit of the PIN is set. Press OK . The PIN is now unlocked.

If a PIN has been unlocked on the timeswitch, it will automatically reactivate if there is no button pressed for 2 minutes.

To Deactivate the PIN

When the PIN is unlocked (see above instructions)

Ensure the selector is in the **RUN** 

position.

Press and hold OK & + for 5 seconds, '**ON**' will appear on the screen.

Press + or − to select '**OFF**'. Press OK . 0000 will flash on the screen.

Enter the PIN. Press OK . The PIN is now disabled.

Service Interval OFF

The service interval gives the installer the ability to put an annual countdown timer on the timeswitch. When the Service Interval is activated '**SErv**' will appear on the screen which will alert the user that their annual boiler service is due.

For details on how to enable or disable the Service Interval, please contact customer service.

EPH Controls IE

technical@ephcontrols.com

www.ephcontrols.com/contact-us

+353 21 471 8440

Cork, T12 F753

EPH Controls UK

technical@ephcontrols.co.uk

www.ephcontrols.co.uk/contact-us

+44 1933 322 072

Harrow, HA1 1BD

© 2025 EPH Controls Ltd.

2025-11-27_A17_Instruction_PK