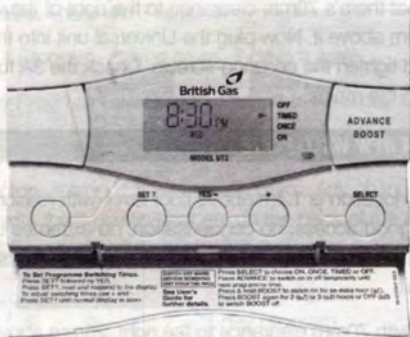


UT2



Single Channel Timeswitch

for heating **OR** hot water



Installation and User Instructions

SINGLE CHANNEL

06490173001 ISSB

INSTALLATION INSTRUCTIONS

PLEASE NOTE: INSTALLATION MUST ONLY BE CARRIED OUT BY A QUALIFIED ELECTRICIAN OR HEATING ENGINEER.

MAKE SURE MAINS INPUT HAS A 3 AMP FUSE.

The Universal UT2 Timeswitch conforms to the essential requirements of these Directives:

2004/108/EC – Electromagnetic compatibility

2006/95/EC – Low voltage

CE

BEFORE INSTALLATION

First, make sure the mains supply is switched off!

USING AN EXISTING WALL-PLATE

Loosen the securing screws on the old timeswitch and unplug it. Check that there's 70mm clearance to the right of the wall-plate, and 25mm above it. Now plug the Universal unit into the wall-plate and tighten the securing screws. Check the 3A fuse, and switch on the mains.

FITTING A NEW WALL-PLATE

The ideal location is 1.4m above floor level, with reasonable lighting, good access, no condensation, no extremes of temperature, and a supporting surface that fully covers the back of the unit.

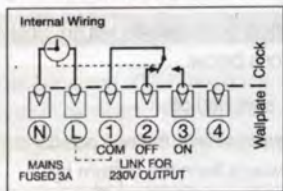
Position with 70mm clearance to the right, 25mm above, and sufficient room to access the securing screws underneath.

Fix, with terminals at the top, either direct to a flat wall using wall plugs and no. 6 x 1" woodscrews, or on a flush mounting single conduit box type UA1 (BS4662) using M3.5 x 14 bolts. DO NOT USE A SURFACE MOUNTING BOX.

WIRING THE TIMESWITCH WALL PLATE

For surface wiring, snap out the cable entry strip on the bottom edge of the wall-plate. Universal units are double-insulated and need no earth connection, but an earthing continuity (loop) terminal is provided for convenience.

Internal wiring

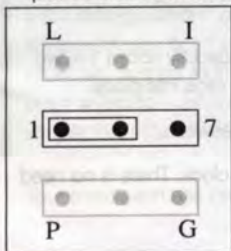


PRIOR TO MOUNTING THE UNIT SELECT THE PROGRAM SETTING

The Universal Timeswitch is selectable, which means it must be set to the customer's requirements as part of the installation procedure. There are 3 options:

- 24-hour Program – same times, 7 days a week.
- 5/2-day Program – weekends different to weekday times.
- 7-day Program – every day of the week can be different

The factory setting is a 24-hour program. Any changes are made with the 3 plastic headers on the back of the unit – simply pull off the header and replace it in the new position.



1 = 24-hour program.

7 = 7-day program

No header = 5/2-day program.

After wiring, plug in the unit and tighten the securing screws. Check the mains input has a 3A fuse, and switch on the mains.

**ALWAYS SWITCH OFF THE MAINS BEFORE
REMOVING THE UNIVERSAL TIMESWITCH -
AND NEVER FIT IT TO A LIVE WALL-PLATE!**

DUAL BRANDING

The below process must only be carried out by a qualified electrician or heating engineer.

If you wish to change the branding from 'British Gas' to 'Scottish Gas' please follow the instructions below.

1. Make sure the mains supply is switched off.
2. Carefully insert a small flat screwdriver into the two positions shown and ease the cover outwards from the bottom by twisting the screwdriver lightly, taking care not to mark the time control front cover.



Insert screwdriver here and twist lightly

3. Use your hand to lift the cover from the bottom until it comes clear and then lift the complete part away, discard the 'British Gas' cover.
 4. Take the 'Scottish Gas' cover provided available separately.
 5. Locate the top three clips into the corresponding three slots in the front of the product.
 6. Apply gentle pressure to the two points directly above the two lower clips until the 'Scottish Gas' cover clips into place.
- Now refer to user instructions to set Timeswitch.
 - Your new UT2 has a built-in, factory set, clock. There is no need to set the time or date.

USER'S INSTRUCTIONS

If the engineer has set your program and timings – you won't need to do anything else. Just keep this guide in a safe place for future reference.

INTRODUCTION

The Universal UT2 Timeswitch will automatically control your system by switching it on and off at times that suit you. The light on the front of the Timeswitch shows when it's on.

Models	Your timeswitch is set as ⁽¹⁾	Instructions for the model are on page
24-hour		8
5/2-day		9
7-day		11

(1) Model to be ticked by the installer

PREPARING TO PROGRAMME YOUR SYSTEM

As your Timeswitch has a built-in, factory set, clock, there is no need to set the time. However, should you need to, go to section "Setting the Clock" Page 13.

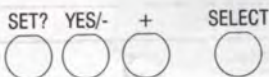
If the timings haven't been set for you, then this is how your timeswitch has been set at the factory. It's easy to make changes. Just go to the section on the program that's already been selected – 24-hour, 5/2 day or 7-day – and follow the simple instructions.

Your timeswitch has been set with these standard times.

They're based on the 5/2-day program, with different settings for the weekend.

SWITCHING	WEEKDAYS	WEEKENDS
ON 1 – start of first timed period	6.30am	7.00am
OFF 1 – end of first timed period	8.30am	9.00am
ON 2 – start of second timed period*	12.00pm	12.00pm
OFF 2 – end of second timed period*	12.00pm	12.00pm
ON 3 – start of third timed period	4.30pm	4.00pm
OFF 3 – final switch-off of the day	10.30pm	11.00pm

* Notice that the second period has the same ON and OFF times, which means neither your central heating nor hot water will respond. If you want to activate this middle period, simply set different ON and OFF times.



Remember:

- Make your changes using the SET?, YES/-, and + buttons found under the bottom flap.
- You can't set ON1 as the last timing before midnight, but you can set OFF3 after midnight – providing it's not more than 23 hours and 59 minutes after ON1.
- You need to set the timings in sequence – i.e. ON1, OFF1, ON2, OFF2, ON3, OFF3. If you get out of sequence, the display will flash a warning.

Sometimes you might need to change the way you use your system temporarily – perhaps due to an exceptionally cold day.

Here's how to do it – without affecting your program.

Switching on and off

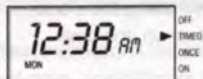
On the front of the timeswitch there is an **Advance/Boost** button. It allows you to switch your system either on or off, irrespective of the program. So if the heating is off, and you want warmth now, you can either –

1. Press **Advance** to switch it on (ADV will be displayed), and it will stay on until the end of the next period. Or if the heating is on and you don't need it, press Advance and it will go off until the beginning of the next ON period.

Advance will only operate in TIMED or ONCE modes.

2. Press & Hold **Boost** to switch on for an extra hour (b1 & BST will be displayed), then Press again for two (b2) or three (b3) hours. To cancel Boost, Press Boost again (b0). Or if the heating is already on, using Boost will extend the ON time by one, two or three hours.

Over-riding the program



At the side of the display there are four operating modes:

- OFF** = continuously off.
- TIMED** = on for up to 3 periods a day.
- ONCE** = on for 1 period a day, from the start of ON1 to the end of OFF3.
- ON** = continuously on.

Use the SELECT button under the flap to change the mode. This won't alter the timings in your program, which you can return to by selecting TIMED.

THE 24-HOUR PROGRAM

This is the simplest program – every day's the same. Just follow the sequence.

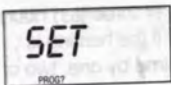
Want to leave a timing as it is? Just press SET? and move on to the next one.

Need to delete your timings and start again? Press 'SET' and '+' together to go back to the pre-set program.

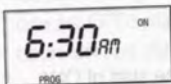
If you don't press anything for two minutes, the timeswitch automatically goes back to normal operation.

These instructions are for setting a 24-hour cycle that will be the same for every day of the week – so you'll only need to go through the procedure once.

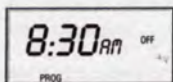
- Press the SET? button and you'll see 'SET PROG?'



- Press the YES button, and you'll see ON1, the start of your first heating period. Adjust it in 1-minute steps using the – and + buttons. If the – and + buttons are held down, the time changes in 10-minute steps.



- Press SET?, and you'll see OFF1, the end of your first heating period. Adjust this in the same way, press SET?, then repeat the procedure for ON2, OFF2, ON3 and OFF3.



- When you press SET? after setting OFF3, the timeswitch will return to normal operation.

THE 5/2 DAY PROGRAM

Here you've got the option of changing times for the weekends to cope with different demands. Just follow the sequence, setting weekdays first.

Want to leave a timing as it is? Just press SET? and move on to the next one.

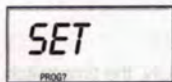
Need to delete your timings and start again? Press 'SET' and '+' together to go back to the pre-set program.

If you don't press anything for two minutes, the timeswitch automatically goes back to normal operation.

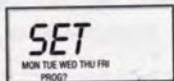
These instructions are for setting the same timings for weekdays, and different ones for the weekend.

Set weekday times

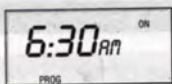
- Press the SET? button and you'll see 'SET PROG?'.



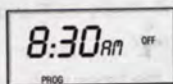
- Press the YES button, and the display will ask 'SET MON to FRI PROG?'



- Press YES to confirm and you'll see ON1, the start of your first heating period. Adjust it in 1-minute steps using the - and + buttons. If the - and + buttons are held down, the time changes in 10-minute steps.



- Press SET?, and you'll see OFF1, the end of your first heating period. Adjust this in the same way, press SET?, then repeat the procedure for ON2, OFF2, ON3 and OFF3.



Set weekend times

- When you press SET? after OFF3 for weekdays, the display will ask 'SET SAT SUN PROG?'. Press YES, and alter the times in the same way.



- When you press SET? after OFF3 for SAT SUN, the timeswitch will return to normal operation.

THE 7-DAY PROGRAM

This is where you can have different timings for every day of the week, if necessary. Just follow the sequence, setting weekdays first.

Want to leave a timing as it is? Just press SET? and move on to the next one.

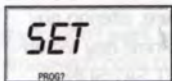
Need to delete your timings and start again? Press 'SET' and '+' together to go back to the pre-set program.

If you don't press anything for two minutes, the timeswitch automatically goes back to normal operation.

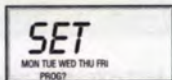
These instructions are for setting your system with the possibility of having different timings for each day of the week.

Set all weekdays

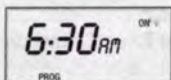
- Press the SET? button and you'll see 'SET PROG?'



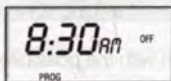
- Press the YES button, and the display will ask 'SET MON to FRI PROG?'



- Press YES, and you'll see ON1, the start of your first heating period. Adjust it in 1-minute steps using the – and + buttons. If the – and + buttons are held down, the time changes in 10-minute steps.

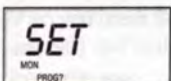


- Press SET?, and you'll see OFF1, the end of your first heating period. Adjust this in the same way, press SET?, then repeat the procedure for ON2, OFF2, ON3 and OFF3.



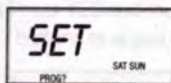
Set each day

If, after you've set OFF3 for the weekdays, you want to fine-tune one or more days, press SET? until you find the first day you want to adjust – then go through the procedure, altering any time you wish. Press SET? to move on to the next day. When you've finished, press SET? until you see 'SET SAT SUN PROG?'



If you don't want to alter any individual days, keep pressing SET? until you see 'SET SAT SUN PROG?'

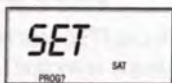
Set weekends



- Press YES, and alter the weekend ON and OFF times in the same way.

Set each weekday

If, after you've set OFF3 for the weekend, you want to fine-tune Saturdays or Sundays, press SET? until you find the first day you want to adjust – then go through the procedure, altering any time you wish. Press SET? to move on to the next day. When you press SET? after setting Sunday's OFF3, the timeswitch will go back to normal operation.



If you don't want to alter either day, keep pressing SET? until the timeswitch goes back to normal operation.

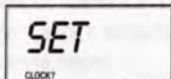
SETTING THE CLOCK AND DATE

Applicable to all models

Setting the Clock

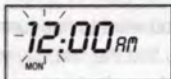
The clock in your timeswitch has been set at the factory, and automatically keeps time and date, even during power loss, and accounts for British Summer Time. However, should you wish to set the clock or date proceed as follows:

- Press the SET? button twice and you'll see SET CLOCK?.



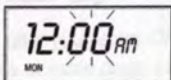
Set the hour

- Press YES once, and then the hour will start to flash. Use the - and + buttons to set the hour, checking for AM and PM.



Set the minute

- Press SET?, and the minutes will start to flash. Use the - and + buttons to set the exact time.



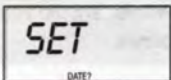
- Press SET?, and 'SET DATE?' appears in the display.

If you want to change the date, then carry on to the next section.
If not, press SET? to go back to normal operation.

SETTING THE DATE

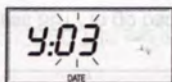
The weekday is automatically calculated from the date, so if the weekday is incorrect you'll need to reset the date.

- Press the SET? button three times and you'll see SET DATE?.



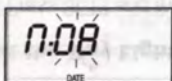
Set the year

- Press YES and the year will start to flash. Use the - and + buttons to adjust.



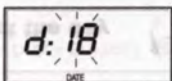
Set the month

- Press SET? and the month will start to flash. Use the - and + buttons to adjust.



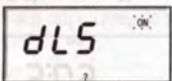
Set the day

- Press SET? and the day will start to flash. Use the - and + buttons to adjust.



Set the Day Light Saving

- Press SET? and the current DLS status will start to flash for day light saving (British Summer Time). Use the - and + buttons to turn on or off.



Press SET? to go back to normal operation.