

Set Service

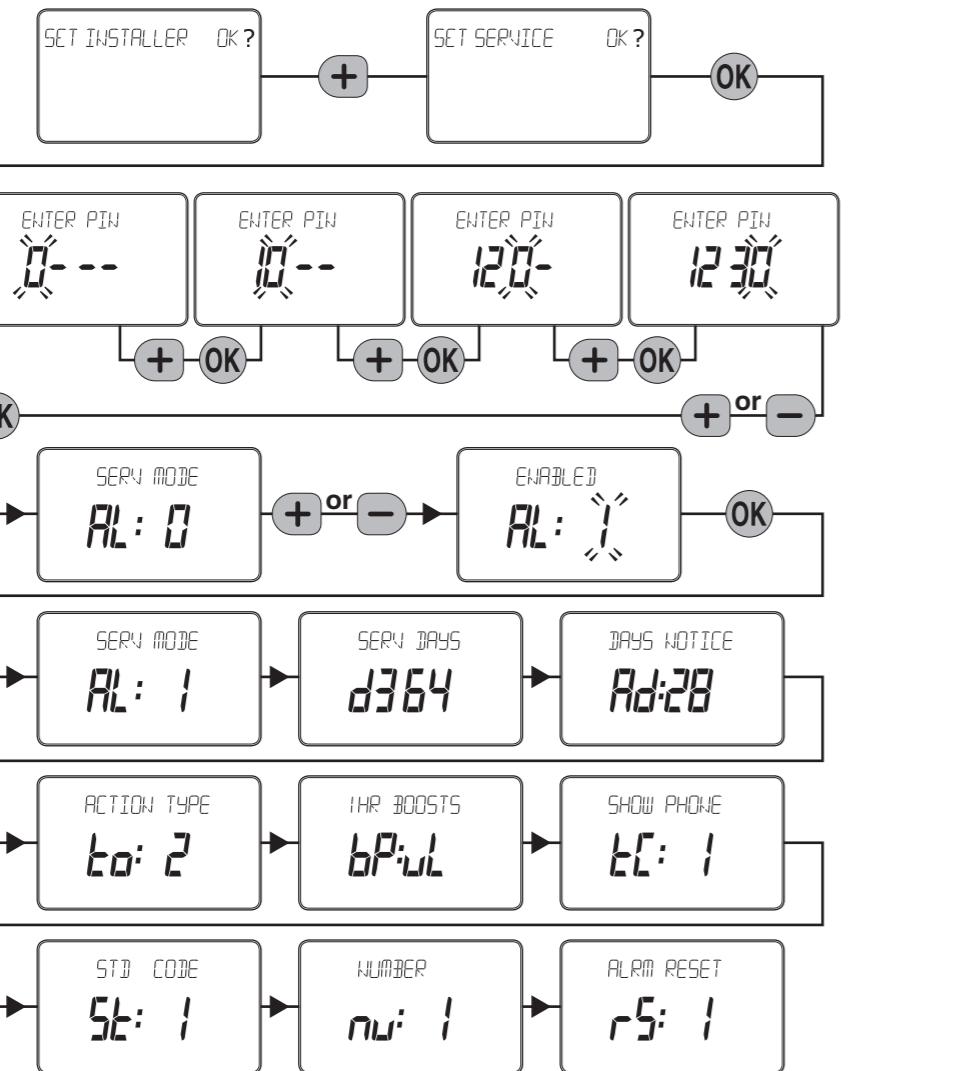
Set Service parameters are listed in the table below, along with a description of the options that are possible.

'SET SERVICE' PARAMETER	PARAMETER ID	LoT™ Display Description	Default Value	Range of Values	Description [LoT™ Display Description]
Enable or disable service alarm feature	AL	SERV MODE	0	0, 1	0 = disabled 1 = enabled [DISABLED] [ENABLED]
Number of days till next Service	d	SERV DAYS	364	001 to 400	001...400 000 = service is overdue [SET DAY COUNT]
Number of days for advance warning	Ad	DAYS NOTICE	28	0 to 28	0...28 [SET DAYS NOTICE]
Action taken at time-out	to	ACTION TYPE	2	0, 1, 2	0 = no action, 1 = switch off, 2 = 'prompt' mode [NO ACTION] [SWITCH OFF] [PROMPT MODE]
Number of EXTRA HOUR button presses allowed in 'Prompt' mode	bP	1HR BOOSTS	uL	uL, 1 to 99	uL = unlimited number, 1...99 = specified number of button presses, after which unit switches off [NUM BOOSTS]
Enable telephone call number display	tC	SHOW PHONE	0	0, 1	0 = disabled 1 = enabled [DISABLED] [ENABLED]
Enter telephone STD code	St	STD CODE	-----	1	When a + or - button is first pressed the LoT™ Display shows a row of dashes which can be adjusted using + or - buttons, then verified using the OK button.
Enter telephone number	nU	NUMBER	-----	1	When a + or - button is first pressed the LoT™ Display shows a row of dashes which can be adjusted using + or - buttons, then verified using the OK button.
* Reset 'SET SERVICE' parameters to default values	rS	ALRM RESET	1	0,1	0 = do not reset 1 = default parameters [NO RESET] [RESET]

* This parameter by default has a value of 1, unless any other parameter is adjusted, when it will change to 0. Set it to 1 to reset all parameters back to defaults

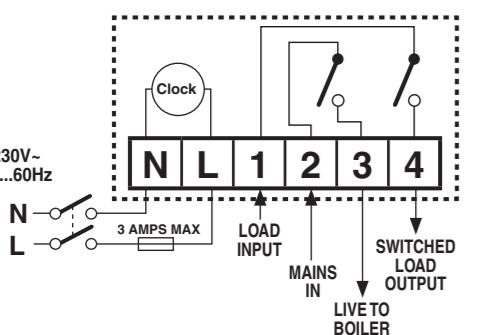
To Enter Set Service Mode:

- Enter **Installer Modes** (as described on Page 3) and navigate to **SET SERVICE** mode. In response to the query 'SET SERVICE OK ?' press the **OK** button to enter **SET SERVICE**.
- The message 'ENTER PIN' will now be displayed, along with the 4-digit entry code format 0--. The first digit will be flashing, to indicate it can be changed. Use the **+** or **-** buttons to set the first digit, and press **OK** to confirm the digit.
- At this point the first digit will stop flashing and the second digit will begin to flash, indicating it can be changed.
- Proceed in this way to enter the 4 digits of the PIN code. Upon confirming the last digit, if the PIN was incorrect, the message 'INVALID' will be displayed, and then the whole process will start again from step b. above.
- If the PIN was correct, the first SET SERVICE parameter **AL** will be available to change. This allows you to enable or disable all the service alarm features. At every step, the LoT™ Display will inform you what the parameter means and what option you have selected. The parameter ID is usually shown on the display separated by a colon from the parameter value.
- You can change the parameter value by pressing the **+** or **-** buttons. At this point the description in the LoT™ Display will change and the parameter value will flash. If you press **OK** the value will stop flashing and will be saved for use.
- Press **OK** to move to the next parameter available for editing. The parameter ID will change accordingly.
- Keep pressing **OK** to step around the list of parameters, and use **+** or **-** buttons to change the parameter value.
- Any parameter changes that have been confirmed with the **OK** button will be saved and used. Some parameters may be made invalid by a previous parameter setting, and these will be skipped over in the setting process.



WIRING CONNECTIONS

ST9100S Internal Wiring



Connections to Combi Boiler

230Vac connection	Wired	Standard Connection to Combi Boiler (with Service shut-down of heating only)	Boiler Service Connection to Combi Boiler (with Service shut-down of both heating & hot water)
	Wireless	See Note 6.	See Note 6.
Potential free connection	Wired		
	Wireless		

Notes

1. The ST9100S is a Class II (double insulated) device. An earth parking terminal is provided for earth wiring continuity, if required.
2. The ST9100S is a single channel timer designed for combi-boiler installations, and can be wired to shut down both heating and hot water after the service period.
3. Wiring can be done all at 230Vac, or the boiler control output connections can be contact closure potential free.
4. Where applicable, the ST9100S may also be used to control hot water systems independently.
5. Where applicable, multiple ST9100S timers may also be used to control Heating and Hot Water systems independently.
6. When connecting to a wireless receiver unit, the receiver MUST have permanent mains power from the fused spur, to operate correctly.

Replacement Wiring

If using the ST9100S to replace other Honeywell Timers, the equivalent wiring terminations are shown in the tables below.

ST6100S	L	N	1	2	3	4
ST9100S	L	N	1	2	3	4
Note: If ST6100S terminals 2 and 3 do not have wires connected to them, there is no need to connect wires to ST9100S terminals 2 and 3.						
ST6100A, ST6100C	L	N	1	2		4
ST9100S	L	N	1	*		4
* Note: If a connection is required at terminal 2 of the product to be replaced, the ST9100S cannot be used for this application. Use ST9100A or ST9100C instead.						
ST7000B	L	-	-	2		3
** ST9100S	L	N	1 Link to terminal L	*		4
** Note: a permanent mains supply must be provided for the ST9100 Timer						

Installer Setup

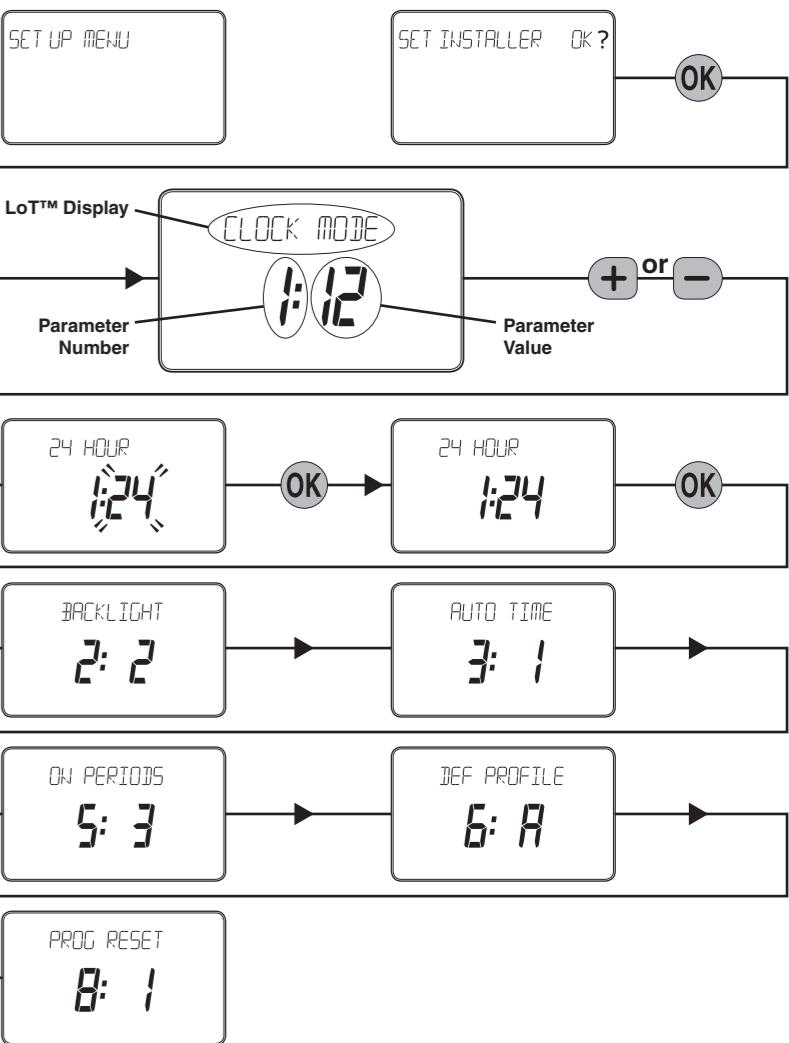
Installer Setup parameters are listed in the table below, along with a description of the options that are possible.

INSTALLER PARAMETER	PARAMETER NUMBER	LoT™ DISPLAY DESCRIPTION	DEFAULT VALUE	RANGE OF VALUES	DESCRIPTION [LoT™ DISPLAY DESCRIPTION]
24hr or am/pm clock display	1	CLOCK MODE	12	12, 24	12 = am/pm display, 24 = 24hr display [AM-PM] [24 HOUR]
Configure backlight operation (backlight consumes no additional energy)	2	BACKLIGHT	2	0, 1, 2	0 = off, 1 = on if button pressed, 2 = on continuously [NO B-LIGHT] [B-L DELAY] [B-LIGHT ON]
Enable/disable auto time change	3	AUTO TIME	1	0, 1	0 = disabled, 1 = enabled [NO CHANGE] [TIME CHANGE]
Number of ON/OFFs per day	5	ON PERIODS	2	2, 3	2 = 2 on/offs per day, 3 = 3 on/offs per day [2 PER DAY] [3 PER DAY]
Select default time programme	6	DEF PROFILE	A	A, b, C	A = standard, b = at home, C = economy [PROFILE A] [PROFILE B] [PROFILE C]
* Reset all parameters	8	PROG RESET	1	0, 1	0 = do not reset, 1 = default parameters [RESET OFF] [RESET ON]

* This parameter by default has a value of 1, if any other parameter is adjusted it will change to 0. Set it to 1 to reset all parameters back to defaults.

To Enter Installer Setup:

- Ensure the slider is in the **RUN** position, then press and hold the **OK** and **+** buttons together for 8 seconds. Ignore the 'NOT VALID' that is displayed for a few seconds. The message 'SET UP MENU' will show briefly, followed by 'SET INSTALLER OK ?'
- Press the **OK** button to take you into the Installer Mode Parameter Menu.
- Parameter 1 is now available to change. This is to allow you to change the clock format from 12 hour AM/PM to 24 hour. At every step, the LoT™ Display will inform you what the parameter means and what option you have selected. The parameter number is shown on the display separated by a colon from the parameter value.
- You can change the parameter value by pressing the **OK** or **+** buttons. At this point the description in the LoT™ Display will change and the parameter value will flash. If you press **OK** the value will stop flashing and will be saved for use.
- Press **OK** to move to the next parameter available for editing. The parameter number will change accordingly.
- Keep pressing **OK** to step around the list of parameters, and use **OK** or **+** buttons to change the parameter value.
- Any parameter changes that have been confirmed with the **OK** button will be saved and used.



To Exit Installer Modes:

You can exit the Installer Modes at any time by moving the slider to the next position and then back again to **RUN**.

Note: Installer Mode will exit automatically after 10 minutes if the slider is not moved.

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