

SunPro2000 TWO-CHANNEL PROGRAMMER (with programmable room temperature and frost protection options)



INSTALLATION INTRUCTIONS

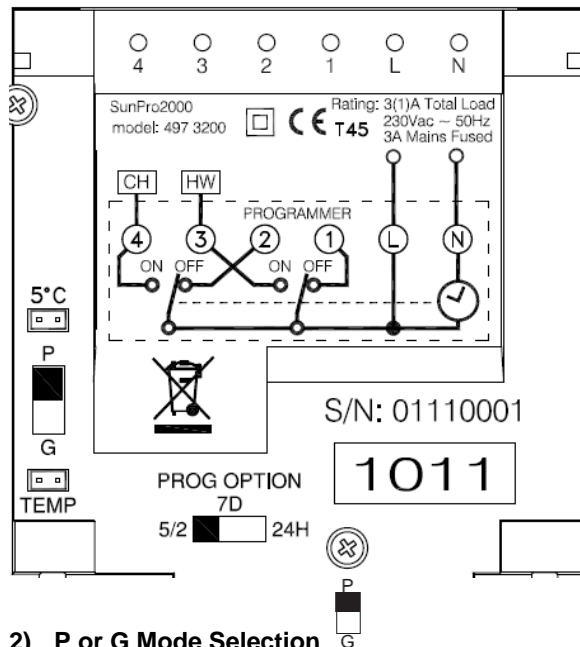
N.B. All installations should be carried out by a competent person and in line with current wiring regulations.

WARNING

The programmer should not be removed from back plate unless the unit is isolated from the electrical supply.

1) Specification

- Power Supply: 230 Vac ~ 50Hz
- Rating: 3(1)A Total Load
- Mains Fuse: 3A
- Temperature control range : 0~35°C
- Program Memory backup: 3Vdc Lithium CR 2032 (Memory sustains 30 days after outages)
- Backlight (blue) Default : permanently ON
- Protection Class: IP 20
- Standard British Gas system wiring back-plate.



2) P or G Mode Selection

- When "P" is selected each channel to be programmed independently.
- When "G" is selected the CENTRAL HEATING channel controls the HOT WATER channel.

3) Day programming mode selection

PROG OPTION
7D 24H

- The selection is made by switching the 3-way switch to the desired position, prior to installation.
- Reset the programmer after switching the 3-way switch to the desired position. A blunt, non metallic instrument should be used to press the reset button.
- 24H: All 7 days of the week are programmed with the same programme times.
- 5/2D: All 5 week days can be programmed with the same programme times and the weekend days can be programmed with a different programme times.
- 7D: Each day of the week can be programmed with independent programme times.


4) Frost Protection function – selectable range 5~20°C

- This Function is set to protect water pipes against freezing or to prevent the room from low temperature, when programmer is in programmed OFF or manual OFF.
- This function is activated by fitting one of the 5°C jumpers (provided) in the location, on the rear of the unit, prior to installation.
- Reset the programmer after fitting the above jumper. A blunt, non metallic instrument should be used to press the reset button.
- The (🌡️) symbol will flash on the LCD to indicate that the FROST PROTECTION function is active.




5) Setting the Frost Protection set point

- Move the selection switch to the "RUN" position
- Press both the and the buttons to select the manual OFF position (i.e. "ON 3 2 1 OFF").
- Hold down both the "+" and "-" buttons at the same time for 5 seconds to enter the selection mode.
- Press either the "+" and "-" buttons to set the Frost Protection set point (between 5~20°C).
- Press the "OK" button to activate.

6) Temperature Control function – selectable range 5~35°C

- a) This function enables the programmer to act as a programmable room thermostat.
- b) This function is activated by fitting one of the jumpers (provided) in the  TEMP location, on the rear of the programmer, prior to installation.
- c) Reset the programmer after fitting the above jumper. A blunt, non metallic instrument should be used to press the reset button.
- d) Please note that when the Temperature Control function is activated the original programmed ON/OFF times are overridden when the set room temperature reached.

7) Setting the room temperature

- a) Move the selection switch to the “RUN” position

- b) Press both the  and the  buttons to select any of ON, 3, 2 or 1 position (i.e. “ON 3 2 1 OFF”).
- c) Hold down both the “+” and “-” buttons at the same time for 5 seconds to enter the selection mode.
- d) Press either the “+” and “-” buttons to set the room temperature set point (between 5~35°C).
- e) Press the “OK” button to activate the selected set point.
- f) **N.B.** when both Frost Protection and Temperature Control are activated and the unit is in RUN mode holding down the “+” and “-” buttons at the same time for 5 seconds will firstly allow the user to change or confirm the room temperature and then the Frost Protection temperature.

8) Replacing the battery

Use a flat-headed screwdriver to remove old battery and replace with a new battery as per Fig 1 to Fig 3.



Fig 1

Fig 2

Fig 3

! Always replace the battery with one of the same type. Use only a 3V DC Lithium CR 2032 battery.



Safe Disposal

Do not dispose of the battery with household rubbish. Batteries must be returned in accordance with the local statutory requirements.

Please note that interference with sealed parts will render the guarantee void.

SUNVIC CONTROLS Ltd.
Units 1 & 2, Block 1
251 Low Waters Road
Cadzow Industrial Estate
Hamilton
ML3 7QU



Tel. +44 (0)1698 812944
Fax +44 (0)1698 813637
Technical Helpline +44 (0)1698 810945

N.B. In line with a policy of continuous product development, SUNVIC CONTROLS Ltd. reserves the right to change the specification, design and materials of products without prior notice.

SunPro2000 WIRING COMPATABILITY

It is the installer’s responsibility to examine the existing programmer to ensure that the wiring is following charts are for reference only.

Direct replacement for existing programmers

The SunPro2000 will fit directly onto existing back plates of the programmers shown, on the chart below, without any rewiring. Otherwise fit using the new wiring interchange guide

Manufacturer	Model
Sunvic Controls	Select 207XLS, Select 207XL, Simplex 200
ACL-Drayton	LP112, LS241, LS522, LS722, LP241, LP522, LP722, Tempus 3, Tempus 4, Tempus 6, Tempus 7
Danfoss Randall	FP15, FP72, FP75, CP15, CP72, Cp75, MP15, MP75
Gloworm	Mastermind
Landis & Gyr	RWB2, RWB9, RWB20, RWB40, RWB102, RWB200, RWB252
Potterton	Mini Minder
Siemens	RWB29
Towerchron	DP72, QE2

Wiring Interchange Guide

When replacing any of the programmers listed below with the SunPro2000, fit the new back plate (supplied with the unit) and follow the connection details shown. Every effort has been made to ensure the accuracy of the instruction given, however Sunvic Controls Limited do not accept responsibility for any discrepancies or otherwise that may be present.

Manufacturer	Model	N	L	HW OFF	CH OFF	HW ON	CH ON
Sunvic	Select 207 XL	N	L	1	2	3	4
	Select 207 XLS	N	L	1	2	3	4
	SP100	N	L	1	4	2	5
	SP50	N	L	1	4	2	5
	SP2	N	L	1	4	3	6
Satchwell	Libra	1	2	8	5	6	3
	DHP2201	1	2	8	5	6	3
	ET1401	1	2	8	5	7	4
	ET1451	1	2	8	5	7	4
Honeywell	ST699B	N	L	7	4	6	3
	ST699C	N	L	7	4	6	3
	ST499A	N	L	-	-	6	3
	ST6300	N	L	1	2	3	4
	ST6400	N	L	1	2	3	4
	ST7100	N	L	7	4	8	5
ACL	MP	2	1	-	-	6	10
	FP	2	1	8	11	6	10
	2000	2	1	HW OFF	CH OFF	HW ON	CH ON
Randall	T992	N	L	1	4	3	6
	T972	N	L	1	4	3	6
	4033	7	6	5	3	4	2
	701	N	L	-	-	3	1
	702	N	L	4	2	3	1
	102	5	6	-	-	1	2
	3060	1&7	6	-	-	4	2
	3020P	1&7	6	-	-	4	2
	3033	1&7	6	-	-	4	2
	SET2	N	L	3	6	1	4
	SET5	N	L	3	6	1	4
	TSR3+3	3&6	7	2	5	1	4
	MK11 R6	3	1&2	-	-	4	5
	TSR2P	3	1	-	-	5	7
	ET1401	1	2	8	5	7	4
ET1451	1	2	8	5	7	4	
Sangamo	410F1	4&5	3&6	2	7	1	8
	410F9	4&5	3&6	2	7	1	8
	F414	4&5	3&6	2	7	1	8
	M5	4	3	-	-	1	6
Potterton	EP2000	N	L	1	2	3	4
	EP3000	N	L	1	2	3	4
Horstmann	Amethyst 7	2	1	4	6	5	7
	Amethyst 10	2	1	4	6	5	7
	Coral	2	1	-	-	8	4
	Diadem	N	L	3	6	1	4
	Diamdo	N	L	-	-	2	4
	Gem	2	1	6	9	4	7
	Leucite	2	1	8	4	3	6
Smiths	Controller 1000	N	L	1	2	3	4
Switchmaster	400	N	L	-	-	3	1
	600	N	L	-	-	3	1
	805	N	L	4	2	3	1
	900	N	L	4	2	3	1
	9000	N	L	4	2	3	1
Thorn	Microtimer	N	L	7	4	6	3
Towerchorn	T2002	N	L	-	-	HW	CH
	T2000	N	L	HW OFF	CH OFF	HW ON	CH ON
	T2003	N	L	HW OFF	CH OFF	HW ON	CH ON