SunPro1000 ONE–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

a) Power Supply: 230 Vac ~ 50Hz
b) Rating: 3(1)A Total Load
c) Mains Fuse: 3A
d) Temperature control range : 0~35°C
e) Program Memory backup: 3VDC Lithium CR 2032 (The memory will be retained for 30 days after mains power has been removed)
e) Backlight (blue) Default : permanently ON
f) Protection Class: IP 20
g) Standard British Gas system wiring back-plate.
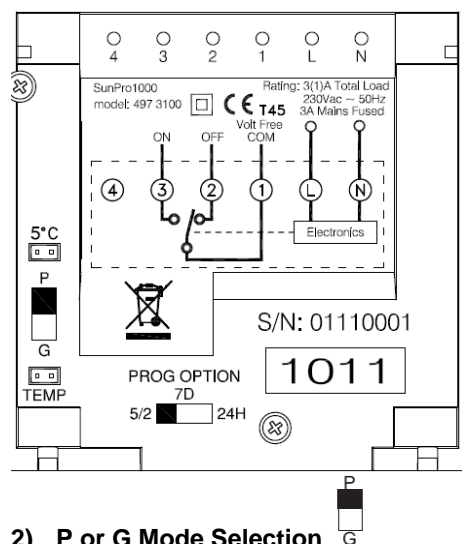
2) P or G Mode Selection

a) When "P" is selected the unit must be used with a fully pumped central heating system.

b) When "G" is selected the programmer must be used with a gravity fed central heating system..

3) Day programming mode selection

a) The selection is made by switching the 3-way switch to the desired position, prior to installation.

b) 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.

c) 24H: All 7 days of the week are programmed with the same programme times.

d) 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.

e) 7D: Each day of the week can be programmed with independent programme times.

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

a) 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.

b) This function is activated by fitting one of the jumpers (provided) in the 5°C location, on the rear of the unit, 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) The (🌡) symbol will flash on the LCD to indicate that the FROST PROTECTION function is active.

5) Setting the Frost Protection set point

a) Move the selection switch to the "RUN" position

b) Press the [SELECT] buttons to select the manual OFF 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 Frost Protection set point (between 5~20°C).

e) 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
PROG SET | RUN | TIME SET

b) Press the SELECT button 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

Fig 1   **Fig 2**   **Fig 3**

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

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

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

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

Safe Disposal

C E

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.

SunPro1000 WIRING COMPATABILITY

It is the installer's responsibility to examine the existing programmer to ensure that the wiring is correct. The following charts are for reference only and cannot be guaranteed.

Direct replacement for existing programmers

The SunPro1000 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 107XLS, Select 107XL, Simplex 100
Landis & Gyr / Siemens	RWB27, RWB30e, RWB170
Venner	Venotime

Wiring Interchange Guide

When replacing any of the programmers listed below with the SunPro1000, 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	E	N	L	Spare	COM	OFF	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
ACL Drayton	LP111		N	L	4	1	2	3
	LP711		N	L	4	1	2	3
	LS111		N	L	4	1	2	3
	LS711		N	L	4	1	2	3
	Switchmaster300		N,2	L		4		1
	Switchmaster980		N	L		4		1
	TC		2	1				7
	Tempus1		N	L	4	1	3	2
	Tempus2		N	L	4	1	3	2
Danfoss	103	4	5	6	2	3		1
	103E	4	5	6	2	3		1
	103 E5	4	5	6	2	3		1
	103 E7	4	5	6	2	3		1
	911	E	N	L	2	5	4	6
	917	E	N	L	2	5	4	6
	971	E	N	L	2	5	4	6
	T515		N	L	5,6	1	2	4
	T575		N	L	5,6	1	2	4
Honeywell	ST6100A		N	L	3	1	2	4
	ST6100C		N	L	3	1	2	4
	ST7000B		N	L			2	3
Horstmann	423 Emerald	E	N	L	5,6	3		4
	423 Pearl Auto	E	N	L	5,6	3		4
	424 Emerald	E	N	L,1	5	3		4
	424 Pearl Auto	E	N	L,1	5	3		4
	Centaur SC1	E	N	L	4	1	2	3
	Centaur SC7	E	N	L	4	1	2	3
	Centaur TC7		N	L	1	2	3	
	Centaur Plus C17		N	L	1	2	3	
	Centaur Plus C11		N	L	1	2	3	
Landis & Gyr	RWB27		N	L	1	2	3	
	RWB30e		N	L	1	2	3	
	RWB100		N	L	1	2	3	
	RWB152		N	L	1	2	3	
	RWB170		N	L	1	2	3	
	RWB3		N	L	1	2	3	
	RWB30		N	L	1	2	3	
	RWB50		N	L	1	2	3	
	RWB7		N	L	1	2	3	
Potterton	EP 4000	E	N	L	A,B,C,D	5	2	4
	EP 4001	E	N	L	A,B,C,D	5	2	4
	EP 4002	E	N	L	A,B,C,D	5	2	4
	EP 5002	E	N	L	A,B,C,D	5	2	4
Sangamo	409 form 8		N,3	L,5	1	6		2
	410 form 8	E	4,5	3	6,7,8	2		1
	M6	E	4	6		3	2	1
Smith Ind.	Centroller 30	E	1	2			3,6	4,5
	Centroller 40	E	1	2			3,6	4,5
	Centroller 50	E	2	1,5				4
	Centroller Mk1		N	L		3		2
	Centroller Mk2		N	L		3		2
Towerchron	DT 71		N	L		3	2	4
	QE1		N	L	1	3	2	4
	T 2001		N	L				7
	T 2001Q		N	L				7
Venner	Venner T10	E	N	L		2	1	3
	Vennotime	E	N	L	2		1	3