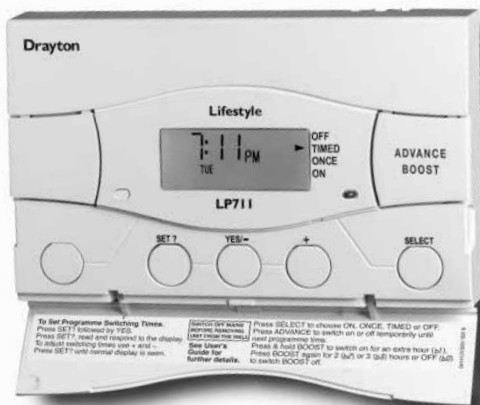


# Drayton Lifestyle

**SINGLE  
CHANNEL**  
*Timeswitch*

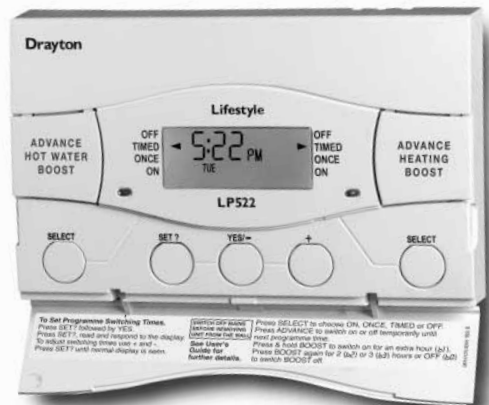
*for heating OR hot water*



**LP111, LP711**

**DUAL  
CHANNEL**  
*Programmer*

*for heating AND hot water*



**LP112, LP241, LP522, LP722**

**SINGLE  
CHANNEL**

**DUAL  
CHANNEL**

*Installation Instructions*

064900330011 SSH

**Invensys Controls**

Sales: 0845 1305522 / Technical Helpline: 0845 1307722

Email: [customer.care@invensys.com](mailto:customer.care@invensys.com) / Web: [www.draytoncontrols.co.uk](http://www.draytoncontrols.co.uk)

# 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.**

## TECHNICAL DATA

<b>LP112, LP241, LP522 &amp; LP722 PROGRAMMERS LP111 &amp; LP711 TIMESWITCHES</b>	
<b>Voltage</b>	230V a.c. +10% - 10% 50Hz
<b>Programmer Rating</b>	2 (1) A 230V a.c. each switch
<b>Timeswitch Rating</b>	2 (1) A 230V a.c.
<b>Ambient temp</b>	Operating: 0° to 45°C Storage: -20°C to 50°C
<b>Without mains power</b>	Display: blank Time: always kept Program times: always preserved
<b>Programming resolution</b>	1 minute
<b>Wiring</b>	Fixed wiring only, to comply with current IEE regulations
<b>Maintenance</b>	Must be maintained by a qualified electrician or heating engineer

Lifestyle Programm器和 Timeswitches conform to the essential requirements of these Directives:

*2004/108/EC – Electromagnetic compatibility*

*2006/95/EC – Low voltage*



## ***BEFORE INSTALLATION***

First, make sure the mains supply is switched off!

## ***PROGRAMMER ONLY***

The programmer must be set to the type of system it is to control. The link on the back of the unit has two settings – P and G.

P = a fully pumped and controlled system – allowing heating and hot water to be set separately.

G = a gravity-fed hot water system – which does not allow independent setting of heating without hot water, though hot water can be controlled alone.

## ***USING AN EXISTING WALL-PLATE***

Loosen the securing screws on the old programmer and unplug it. Check that there's 70mm clearance to the right of the wall-plate, and 25mm above it. Check the chart on the next page to compare terminals and if necessary, change the wiring of the wall-plate to suit. Now plug the Lifestyle 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" (25mm) 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.

## TIMESWITCH TERMINAL COMPARISONS

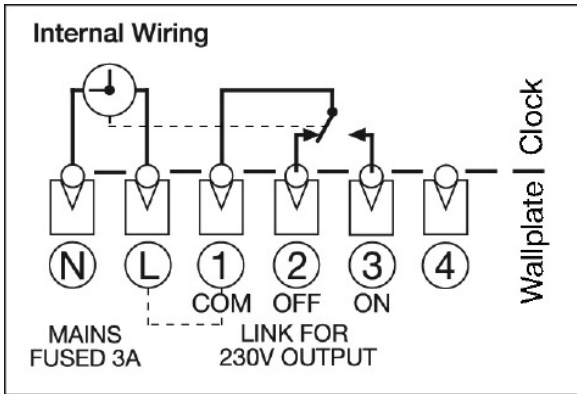
MAKE	MODEL	Earth	Neutral	Live	Common	On	Off	Spare
<b>Current Models</b>								
<b>Drayton</b>	Tempus 1, 2 (new models)		N	L	1	3	2	4
<b>Lifestyle</b>	LP111, LP711		N	L	1	3	2	4
<b>Switchmaster</b>	300		N	L	4	1		
<b>Discontinued/Competitors' Models</b>								
<b>ACL</b>	TC (Towerchron)		2	1	4	7		
<b>Drayton</b>	Tempus 1, 2 (old models)		N	L	1	2	3	4
<b>Switchmaster</b>	980		N	L	4	1		
<b>Danfoss Randall</b>	TS15, 75 (Mk18)	E	N	L	1	4	2	5/6
<b>Danfoss Randall</b>	TS715	E	N	L	1	4	2	3
<b>Danfoss Randall</b>	TS975	E	N	L	5	4	6	1,2,3
<b>Danfoss Randall</b>	SET1, SET1E	E	N	L	5	4	6	
<b>Danfoss Randall</b>	SET4	E	N	L	5	4	6	
<b>Danfoss Randall</b>	103, 103E, 103E5, 103E7	4	5	6	3	1		2
<b>Danfoss Randall</b>	911, 971	E	N	L	5	6	4	2
<b>Grasslin Towerchron</b>	QE1		N	L	2	4	3	
<b>Grasslin Towerchron</b>	T2001, T2001Q	E	N	L		7		
<b>Honeywell</b>	ST 6100A, ST 6100C		N	L	1	4	2	
<b>Honeywell</b>	ST 7000B			L		3	2	
<b>Horstmann</b>	Centaur SC1, SC7		N	L	4	3		
<b>Horstmann</b>	Centaur Plus, C11, C17		N	L	2	4	3	
<b>Horstmann</b>	Emerald 423, Pearl Auto	E	N	L	3	4		
<b>Horstmann</b>	517, Coronet, H11, H17	E	N	L	5	4	6	
<b>Landis &amp; Staefa</b>	RWB3		N	L		4	3	
<b>Landis &amp; Staefa</b>	RWB30, RWB50, 100, 152, 170		N	L	2	4	3	
<b>Landis &amp; Staefa</b>	RWB7	N	L	2	4	3	1	
<b>Potterton Myson</b>	EP4000, 4001, 4002, 5002		N	L	5	4	2	
<b>Sangamo</b>	M6	E	4	6	3	1	2	
<b>Smiths</b>	Centroller Mk1, Mk2		N	L	3	2		
<b>Smiths</b>	Centroller 30		1	2		4/5		
<b>Smiths</b>	Centroller 300, 980		N	L	4	1		
<b>Sunvic</b>	Select 107		N	L	1	3	2	4
<b>Sunvic</b>	SP20, SP35		N	L	3	5	4	S
<b>Venner</b>	Vennerette		N	L	LINE	LOAD		

## PROGRAMMER TERMINAL COMPARISONS

MAKE	MODEL	Earth	Neutral	Live	H/W off	C/H off	H/W on	C/H on
<b>Current Models</b>								
<b>Drayton</b>	Tempus 6, 7 (new models)		N	L	1	2	3	4
<b>Lifestyle</b>	LP112, LP241, LP522, LP722		N	L	1	2	3	4
<b>Switchmaster</b>	400, 600 (no connection to terminal 4 on 600)		N	L		4	3	1
<b>Switchmaster</b>	805		N	L	4	2	3	1
<b>Discontinued/Competitors' Models</b>								
<b>ACL</b>	MP (Towerchron)		2	1			6	10
<b>ACL</b>	FP (Towerchron)		2	1	8	11	6	10
<b>Drayton</b>	Tempus 3, 4, 6, 7 (old models)		N	L	1	2	3	4
<b>Switchmaster</b>	905, 9001		N	L	4	2	3	1
<b>Danfoss Randall</b>	CP15, CP715, FP15, FP715 (Mk18)	E	N	L	1	2	3	4
<b>Danfoss Randall</b>	3020P, 3060	E	7	6			4	2
<b>Danfoss Randall</b>	4033 (link 1-6)	E	7	6	5	3	4	2
<b>Danfoss Randall</b>	102, 102E, 102E5, 102E7 (link 6-3)	E	5	6			1	2
<b>Danfoss Randall</b>	701 (link L-5 and 5-6)	E	N	L			3	1
<b>Danfoss Randall</b>	702 (link L-5 and 5-6)	E	N	L	4	2	3	1
<b>Danfoss Randall</b>	922, 972 (link L-2 and 2-5)	E	N	L	1	4	3	6
<b>Danfoss Randall</b>	SET2, SET2E, SET3E, SET3M, FP975 SET5 (link L-2 and 2-5)	E	N	L	3	6	1	4
<b>Grasslin Towerchron</b>	DP 72, QE2		N	L	1	2	3	4
<b>Honeywell</b>	ST 699/799 (link L-5 and 5-8)		N	L	7	4	6	3
<b>Honeywell</b>	ST 6200, ST 6300, ST 6400, ST 6450		N	L	1	2	3	4
<b>Honeywell</b>	ST 7100 (link L-3 and 3-6)		N	L	7	4	8	5
<b>Horstmann</b>	525, 527, 425 Diadem, H21, H27, H121, Tiara (link L-2 and 2-5)	E	N	L	3	6	1	4
<b>Horstmann</b>	Centaur Plus, C21, C27		N	L	1	2	3	4
<b>Landis &amp; Staefa*</b>	RWB2, RWB2E, 20, 40, 102, 200, 252 & 270, RWB9		N	L	1	2	3	4
<b>Myson</b>	Microtimer (link L-5 and 5-8)		N	L	7	4	6	3
<b>Potterton Myson</b>	All EP2000's, EP3000's, EP6000's (link L-5 and N-N)		N	L	1	2	3	4
<b>Potterton Myson*</b>	Mini Minder		N	L	1	2	3	4
<b>Sunvic</b>	Select 207		N	L	1	2	3	4
<b>Sunvic</b>	SP50, SP100 (link L-3)		N	L	1	4	2	5

*\* Can simply be removed from the backplate and replaced without any disturbance to the existing wiring.*

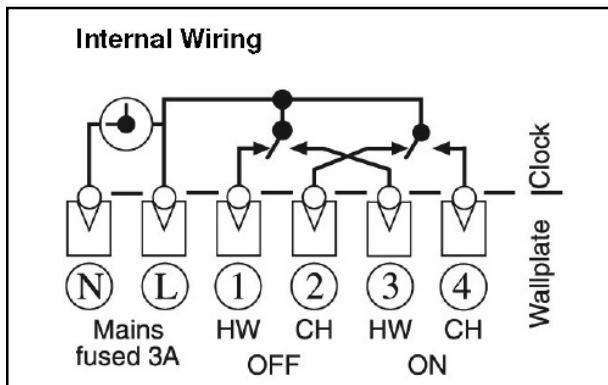
## WIRING THE TIMESWITCH



Make the wiring connections as above. Note that the output contacts are voltage-free, so power needs to be put on to Terminal 1 either by linking from Terminal L or from a separate supply with a 3A fuse.

## WIRING THE PROGRAMMER

**USING A DRAYTON SIMP-L-FIT, ALTHOUGH NOT NECESSARY, WILL MAKE THIS INSTALLATION EASIER.**



### Connection Charts

Arrowed numbers relate to the junction box.

Consult boiler handbook for details of pump overrun wiring.

### \*Thermostat Key

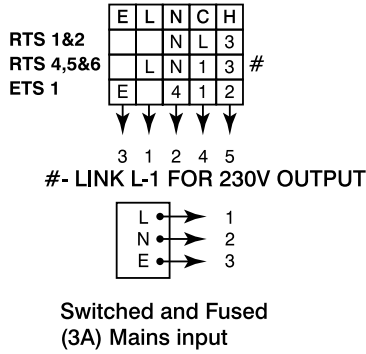
C Common  
 H Call for Heat  
 S Satisfied  
 N Neutral  
 E Earth  
 L Live

### Wiring Colour Codes

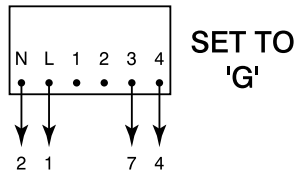
GR Grey  
 Y Yellow  
 BK Black  
 BL Blue  
 BR Brown  
 RD Red  
 W White  
 OR Orange  
 YG Yellow/Green

## Connection Charts

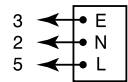
### ROOM THERMOSTAT Gravity HW, Pumped CH with Room Stats



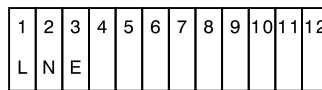
### PROGRAMMER



### PUMP

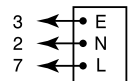


### JUNCTION BOX



LWC3

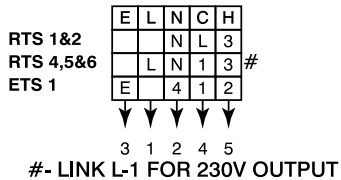
### BOILER



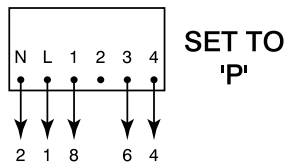
- † For pump overrun boilers consult manufacturer's instructions  
\* See Thermostat Key

### Mid-Position Valve System

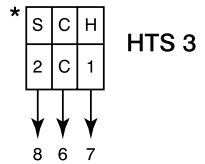
#### ROOM THERMOSTAT



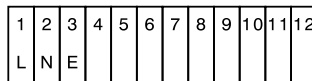
#### PROGRAMMER



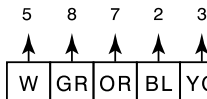
#### CYLINDER THERMOSTAT



#### JUNCTION BOX



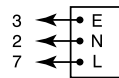
LWC3



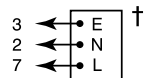
#### MID-POSITION VALVE

LIFESTYLE 679H340-30L0 (22mm)  
LIFESTYLE 779H340-30L0 (28mm)  
DRAYTON FLOWSHARE 2

#### PUMP



#### BOILER

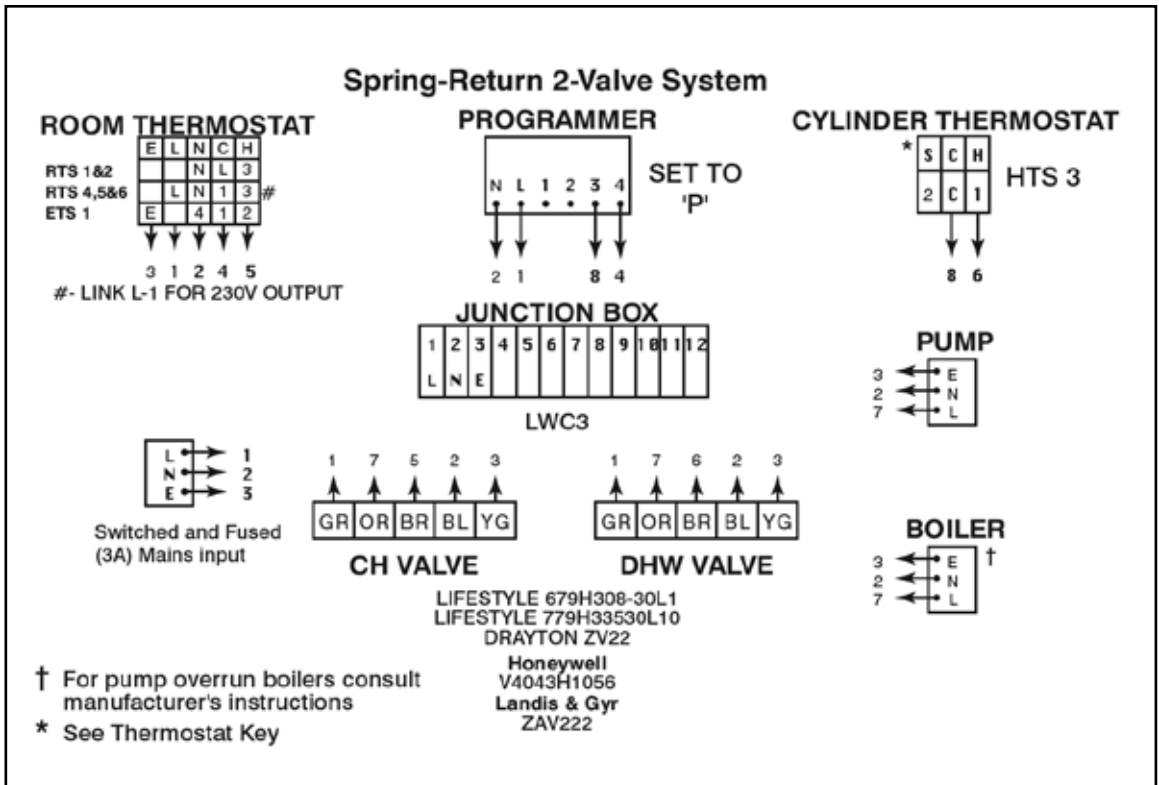


- † For pump overrun boilers consult manufacturer's instructions  
\* See Thermostat Key

Honeywell  
V4073A  
Landis & Gyr  
MAV 3

# WIRING THE PROGRAMMER Cont...

## Connection Charts



Make the wiring connections, as above, for the appropriate system.

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

After wiring, plug in the unit and tighten the securing screws. Check the mains input has a 3A fuse, and switch on the mains. Then set the timings as shown in the User's Guide.

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

### INSTALLERS/ENGINEERS NOTES

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## Invensys Controls

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