

# SUNVIC SELECT XL Programmers



## Key Features

- Patented "Energy Saver" increases 3-Port spring return valve life and reduces energy consumption
- Select switch for 24hr, 5/2 day or 7 day operation
- Illuminated Display
- 6(2)A Switch Rating, ideal for Oil-fired Boilers
- Three on/off settings
- 1 hour boost and advance facility
- Industry standard backplate

Sunvic's two classic time controls have been further improved. Now with 3 on/off time settings and an illuminated display the Select 107XL Time Switch and Select 207XL Programmer have never been easier to use. With just two electronic controls, Sunvic have made it extremely easy for installers to satisfy the timing requirements of virtually every domestic central heating system.

Both the Select107XL and Select 207XL allow the choice of either 24 hour , 5/2 day or 7 day programming, making them the last word in versatility and easy handling and a 6 Amp rating is ideal for those oil-fired installations. There is no longer any problem in finding the right control.

Just SELECT the model - Timeswitch 107XL or Programmer 207XL, SELECT the desired timing mode with a simple slider switch at the back of the unit and install.

Model	Description
SELECT107XL	Single Channel Electronic Timeswitch. Select switch for 24 hr, 5/2 day or 7 day operation, 3 on/off periods per day, suitable for combi boilers.
SELECT207XL	Two Channel Electronic Programmer. Select switch for 24hr, 5/2 day or 7 day operation, 3 on/off periods per day. Independent control of central heating and hot water. Suitable for fully pumped and gravity fed systems.

## INSTALLATION AND CONFIGURATION

The wall plate used by both Select models follows the industry standard pattern, making the unit ideal for upgrades, fitting directly onto existing backplates without wiring changes. There is also a convenient factory built in program which reduces installation time and provides the user with convenient switching times, which can be further customised to suit their lifestyle. Temporary changes to regular programmes can be made instantly by means of easily accessible 1 - hour Boost and Advance buttons. Long-life lithium batteries retain timing and programme memory in the event of mains power failure.

The Select 107XL Timeswitch, with voltage free output contacts, is ideal for use with combi boilers plus many other single circuit and low voltage applications.

The Select 207XL is a 2 - channel, flexible electronic Programmer, with 3 daily On/Off's, that provides completely independent control of heating and hot water.

Separate Boost and Advance facilities apply to both channels. A simple switch selects either gravity or fully pumped functions.

## TECHNICAL SPECIFICATION

Power	
Requirements:	230V AC 50Hz
Switch Rating:	230V AC 50Hz, 6(2)A *
Ambient Temp:	0-40°C
Battery Type:	3V Lithium Battery CR2032

\* Especially suitable for Oil Fired Boilers

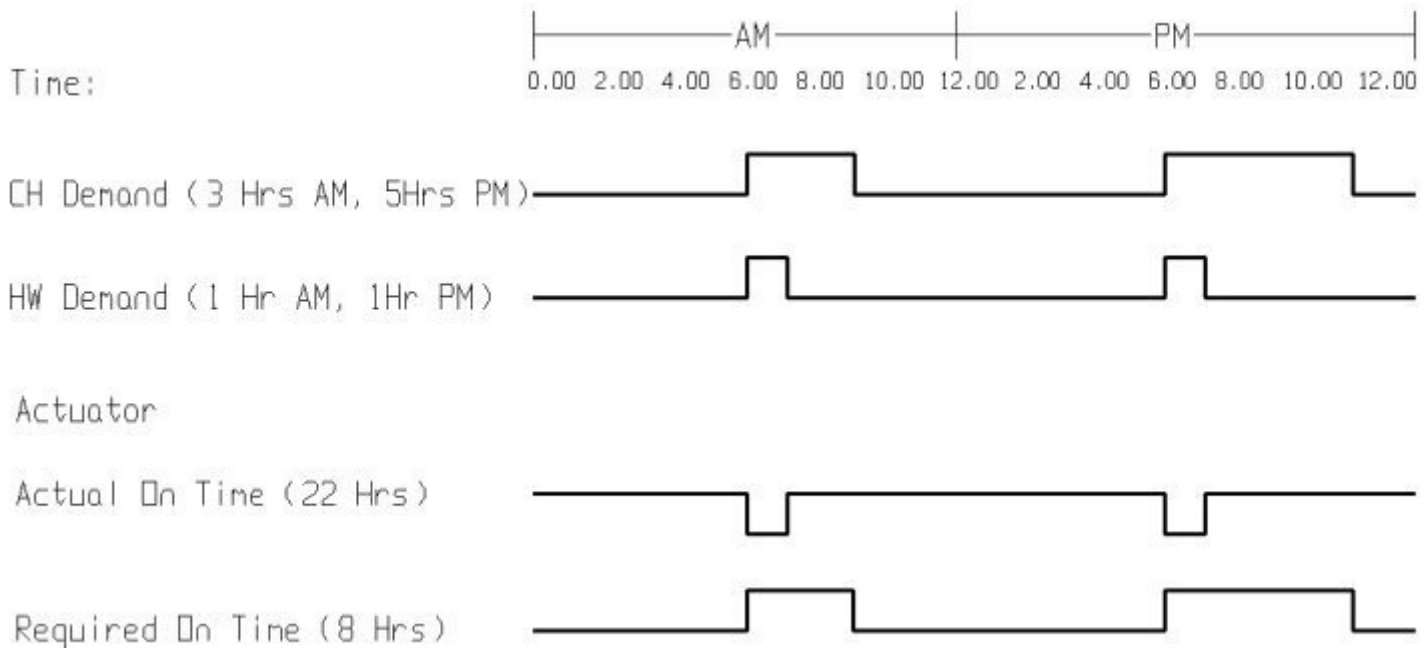
### THE "ENERGY MANAGER" CONCEPT EXPLAINED.

The patented "Energy Manager" circuit incorporated into a Select 207XL has the ability to extend 3-port mid-position motorised valve life and SAVE ENERGY too. To understand the concept you must first understand the control sequence in a system utilising a 3-port mid position spring return valve.

If the valve is in CH position when the heating is switched off, it will stay in that position until the system next calls for hot water. This situation occurs very frequently as hot water demands are usually satisfied before space heating switches off.

*In the CH Position the motor is always On! Even if the heating system is off!*

This is true for all types of 3 Port Spring Return Motorised Valves irrespective of make. The valve motor will be powered on all night if the CH demand is the last to be satisfied during the evening. To demonstrate the effect this could have on the life of the motor and other components in the valve power-head let's look at a typical example.



Every 24 hours the Motorised Valve is on for 22 hours when it only needs to be on for 8 hours. This severely shortens the life of the motor and other internal components.

How can this problem be eliminated?

Sunvic's New SELECT 207XL, takes Control of All Makes of 3 Port Spring Return Valves.

Using ingenious, patented, internal circuitry the Select 207XL Programmer switches off the valve when it is not required, significantly extending the life of the motorised valve. Benefits are:

- Instant Reliability Improvement
- Reduce Motor On Time by over 60%
- Increase life of motor and other internal components
- Significantly Reduce Motor Replacement Call Outs Save Energy (see below)

In the example above the installation of a Sunvic Select 207XL will ensure the valve is only on when it is needed i.e. 8 hours not 22 hours, significantly prolonging the life of the valve.

**Save Energy Too!**

Most Motorised Valves use a 5 Watt synchronous motor.

Reducing the motor on time from 22 hrs to 8 hrs saves 70 Watts per day. That's over 16KwHrs per year.

If you want to significantly increase the life expectancy of your 3-port valve, improve your heating systems reliability and SAVE energy too, then fit a Select 207XL. Stop tackling the symptoms and fix the problem!