

SMARTFIT CONTROL SYSTEM – S PLAN

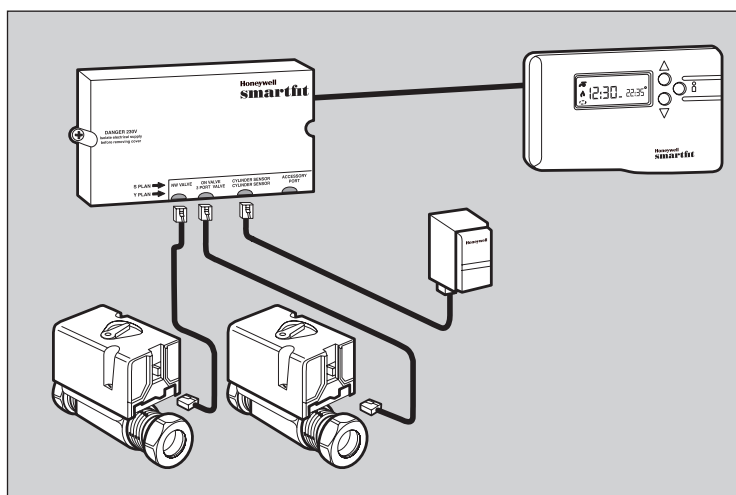
SMARTFIT

FEATURES

- Single point of control.
- Plug in connections.
- Low voltage controls.
- 7 day and 24 hour versions.
- Built-in start-up programme.
- Clear digital display for both central heating and hot water.
- Built-in diagnostics.
- 12 hour time display with am/pm indicator.
- Installer mode.
- Programme indicator symbols.
- Backlighting.
- Setpoint limits for both room and water temperatures.
- Optional optimum start.
- No wiring diagram required.
- Hypothermia protection.

OPTIONS

- Automatic Time Set module.
- Frost protection kit.
- Boiler junction box.
- Cable extensions.
- Special cable clamp.
- Adaptor plate.
- Remote sensor and setpoint modules.



APPLICATION

The Smartfit S Plan is designed to provide timed independent control for both heating and domestic hot water circuits in fully pumped central heating systems. Time and temperature settings for both heating and hot water are set at the Room Unit, thus giving a single point of control.

This revolutionary system is designed for ease of installation. All control connections are either by two wire or plug and socket and are low voltage.

Many Smartfit components are common to both Y and S plans and all controls are available as single items. Wiring for pump and boilers is the same for any control system. A central base unit provides simple low voltage plug-in or two-wire connection for all heating and hot water controls.

SMARTFIT

Honeywell

SMARTFIT – S PLAN

■ Installation

The Base Unit should be installed in a convenient location where the majority of the system wiring is to be terminated, such as the cylinder cupboard or close to the boiler. It has knockouts to facilitate cable entry located on the left-hand side and rear for the line voltage wiring and on the right hand side and rear for Smartfit low voltage wiring. Do not run low voltage wiring across the printed wiring board or next to line voltage wiring. Remove the cover and mount using the two mounting screw positions.

- Wire the Base Unit line voltage connections to suit system
- Make the Room Unit connections. It does not matter which wire goes to which terminal.
- Install the two Valves and snap on Actuator Heads, then insert the plugs into the sockets on the Base Unit ensuring that they “click” into place.
- Fit the sensor to the cylinder then insert the plug into its socket on the Base Unit ensuring that it “clicks” into place.

Ensure that the cable clamp supplied is used to secure the pump cable. Ensure that the selector switch is in the S Plan position, refit cover.

The mains and boiler terminals are for fixed wiring. However, when this is not practicable a cable clamp can also be supplied for securing flexible wiring from both the boiler and fused spur.

If the Base Unit is located some distance from the fused spur boiler and pump, it is recommended that the optional Boiler Junction Box be used.

To enable the Base Unit to be mounted onto a flush mounted wall box, an Adaptor Plate is available.

■ Ordering Specification

Y4610A1028

S Plan Pack with 22mm valve 24 hour.

Y4610A1036

S Plan Pack with 22mm valve 7 day optimum start.

42000684-088

Cable clamp required when flexible cables used. (Pack of 20)

42009699-001

Boiler Junction Box.

42009575-001

Adaptor Plate

K42009706-001

Frost Protection Kit

Systems may be ordered as individual items. 28mm valves are available.

■ Specification

W 4672A Base Unit

Power Supply	: 230V AC 50Hz
Switch Rating	: 3A resistive : 3A inductive
Switch Type – SPDT	: Single Pole Double Throw
Operating Temperature	: 0 to 50°C
Humidity Range	: 0 to 90% RH
Earthing	: Double Insulated Class II
Standards	: Complies with BS EN60730-2-7
EC Directive	: Conforms to 89/36/EEC and 73/23/EEC

T8617B or T8677B Room Unit

Programme Time Resolution	: 10 minutes
Temperature Setting Steps	: 0.5°C
DHW Temp. Setting Range	: 40-85°C (10K diff) (or 4K diff installer set-up)
Heating Temp. Set Range	: 10-30°C (or 16-30°C installer set-up)
Anti-Hypothermia Mode	: When selected controls @ 16°C : instead of OFF
Number of Heating Setpoints	: 1 or 3 per day (as selected)
Power Failure Reserve	: 12 hour clock, all other : parameters permanently
Room Temp. Measurement Accuracy	: ± 0.5°C :

VU12A 2 port Valves with ML7300A Actuator

ML7300A Actuator	: Fits all valves including 28mm
Power Consumption	: 1W
Operating Fluid Temp. Range	: 5°C to 88°C

T8674A Cylinder Sensor

Max. Ambient Temperature	: 55°C
Temperature Sensing Range	: 0-100°C

