

Factory Replacement Units

Models 3020P FRU, 3022 FRU, 3060 FRU & 4033 FRU (For Time Control of Domestic Central Heating Systems)

INSTALLATION INSTRUCTIONS

SPECIFICATION

Power Supply	: 220/240Vac, 50 Hz
Switch Action	: 3020P & 3022 : 1 x SPST, type 1B 3060 : 2 x SPST, type 1B 4033 : 2 x SPDT, type 1B
Switch Rating	: 220/240Vac, 50 Hz, 3(1)A
Timing Accuracy	: ± 1 min/month
Enclosure Rating	: IP30
Max. Ambient Temperature	: 55°C
Designed to meet BS EN60730-2-7	
Overall Dimensions	: 102mm wide, 210mm high, 60mm deep
Construction	: Class 1
Control Pollution Situation	: Degree 2
Rated Impulse	: 2.5kV
Ball Pressure	: 75°C

This product complies with the following EC Directives:
Electro-Magnetic Compatibility Directive.
(EMC) (2004/108/EC)
Low Voltage Directive.
(LVD) (2006/95/EC)



The unit must be installed by a competent electrician and the installation should conform to IEE Wiring Regulations. The supply to this unit should be wired through a full disconnect in accordance with BS EN60730-1, ie. one which provides an air gap of at least 3mm in both poles of the mains, e.g. a 13amp plug and unswitched socket, or a switched, fused outlet with neon; either fitted with a 3amp (max) fuse.

FITTING INSTRUCTIONS

- Switch off mains supply to programmer/timeswitch.
- Where 3060 programmer is fitted:**
Remove selector switch control knob (pull off).
 - Where 3020P, 3022, 3033 and 4033 timeswitches are fitted:**
Remove fixing rings from selector switches.
- All models:**
Move all four tappet arms to top of dial (12 o'clock position) and remove outer case.
- Unscrew the two retaining screws at the top of the module body holding the module to metal backplate.
- Unplug module from backplate and terminal block (pull upwards).
- Plug in new module unit and refit in reverse order to the above; taking care not to overtighten the two screws holding the module to the backplate.

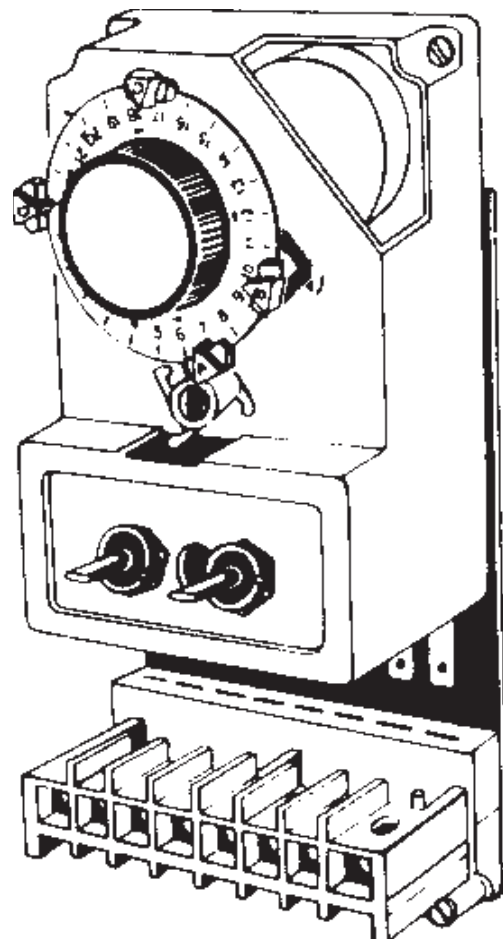
NOTE: IF 4033 MODULE IS TO REPLACE 3033 UNIT:-

- Transfer all cables in terminal 1 to terminal 7.
 - Link** terminal 1 to terminal 6 with insulated mains cable. Then put 4033 module onto the backplate.
- Fit new outer case.
 - Adjust the four tappet arms to the times required, and reset the time dial to the correct time of day.

Remember : Red tappets A and C switch ON
Blue tappets B and D switch OFF

- Turn dial assembly one complete revolution to ensure correct switching sequence.
- Switch on mains supply and re-check the operation of the system, on each selection of the programmer/timeswitch.
- If a fault still exists it is probable that this will be due to another component in the system eg:- boiler control, pump, room thermostat, wiring etc.

In these circumstances we would recommend that you contact your heating engineer or qualified electrician to check the installation.



Factory Replacement Units

Models 102 FRU and 103 FRU (for time control of Domestic Central Heating systems)

INSTALLATION INSTRUCTIONS

SPECIFICATION

Power Supply	: 220/240Vac, 50 Hz
Switch Action	: 1 x SPST, type 1B
Switch Rating	: 220/240Vac, 50 Hz, 6(2)A
Timing Accuracy	: ± 1 min/month
Enclosure Rating	: IP30
Max. Ambient Temperature	: 55°C
Designed to meet BS EN60730-2-7	
Overall Dimensions	: 106mm wide, 135mm high, 63mm deep
Construction	: Class II
Control Pollution Situation	: Degree 2
Rated Impulse	: 2.5kV
Ball Pressure	: 75°C

This product complies with the following EC Directives:
Electro-Magnetic Compatibility Directive.
(EMC) (2004/108/EC)
Low Voltage Directive.
(LVD) (2006/95/EC)



The unit must be installed by a competent electrician and the installation should conform to IEE Wiring Regulations. The supply to this unit should be wired through a full disconnect in accordance with BS EN60730-1, ie. one which provides an air gap of at least 3mm in both poles of the mains, e.g. a 13amp plug and unswitched socket, or a switched, fused outlet with neon; either fitted with a 3amp (max) fuse.

FITTING INSTRUCTIONS

1. Switch off mains supply to timeswitch/mini-programmer.
2. Remove fixing screw in the base of the unit to release the grey plastic wiring cover.
3. Holding the unit clockface, push upwards to release the module from wiring backplate.
4. Plug in new module, press down until it locates solidly. Replace grey cover and fixing screw. Ensure thumbwheel is in place.
5. Adjust the four tappet arms to the times required, and reset the time dial to the correct time of day
Remember: Red tappets A and C switch ON
Blue tappets B and D switch OFF
6. Turn dial assembly one complete revolution to ensure correct switching sequence.
7. Switch on mains supply and re-check the operation of the system, on each selection of the programmer/timeswitch.
8. If a fault still exists it is probable that this will be due to another component in the systems eg:- boiler control, pump, room thermostat, wiring etc.
In these circumstances we would recommend that you contact your heating engineer or qualified electrician to check the installation.

