POWRMATIC®

MC200
Control System
Industrial & Commercial Heating Systems

Overview

The MC200 is a digital, high specification controller for individual heaters that provides the flexibility of variable time and temperature control as well as optimised start/ stop prediction. Adjustable frost protection, remote burner reset and summer fan-only operation are also included. All cabinet heaters are factory fitted with the MC200 control as standard.

The MC200 is a high specification heating controller that uses optimum start technology as standard.
By monitoring the heating systems previous performance it can determine the optimum time to turn the heating on to raise the building temperature to the required level. .

Compatible with:

- NVx
- NVS
- OUH
- CP+
- Radiant (Linear & U-Tube)
- CPX (factory fitted
- VPC (factory fitted)
- TE (factory fitted)

Customer Benefits

- Simple to use controls
- Anywhere installation for convenient access
- Security protected for authorised personnel
- Instant temperature adjustment
- 24/7 programmable temperature control
- Manufactured in the UK

Product Features

- The MC200 has the ability to set a variety of time and temperature programs, whilst still enabling the user to adjust the temperature within controlled limits if required. Adjustable frost protection protects against low temperatures. The MC200 also allows for remote burner lockout reset, and summer fan only operation.

- One of the key energy-saving features of the MC200 is it's ability to set a variety of time and temperature programs, including optimum start configuration with weather compensation. By monitoring the previous performance of the heater and taking account of ambient temperatures, the MC200 can determine the optimum time to turn the heating on. 'Optimum stop' can be configured to save energy at the end of the heating period.

- The MC200 can provide direct control of both high/low and modulating burners – the latter via an internally generated 0-10V signal

- The user keypad and back-lit display allows easy selection of heating and fan-only modes, override functions and full reset. The MC200 will also provide a read-out of the burner's operating hours to ensure servicing at appropriate intervals. When programmed with the correct data, it can also provide an indication of the running costs of the appliance.

- The MC200 features password-controlled access, This can be locked in various combinations to allow different levels of password-controlled access. There are two levels of password-controlled access, the second level being for use by commissioning and servicing engineers. This provides access to parameters normally used only in the initial setting of the controller, accessing the fault log and resetting the system.

- The MC200 features an easy-to-use interface for selection of heating and fan-only modes, override functions and full reset.

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* **Important Note:** For full technical specification notes please refer to the product installation manual on our website at www.powrmatic.co.uk

MC300

Multi Control System

Industrial & Commercial Heating Systems

Overview

Powrmatic's new MC300 'Multi' digital controller enables the control of multiple numbers of unit air heaters and features optimum start/stop with weather compensation, adjustable frost protection, remote burner reset and summer fan-only operation as standard.

A slave unit is factory fitted (additional cost) within each heater prior to delivery, which gives significant savings on the time and cost of installation. Further cost reductions are achieved through the use of low voltage control wiring (5-core for on/off, 6-core for high/low, 7-core for modulating units).

An easy-to-use interface facilitates the setting of a variety of time and temperature programs, as well as the ability to adjust temperature within controlled boundaries if required. MC300 Multi software provides up to 14 time settings, each of which can be assigned to any single day of the week, or in groupings such as weekdays or weekends.

Product Features

The Powrmatic MC300 has all of the features and benefits of a MC200 with these added extras.

- When controlling multiple heaters the MC300 Multi acts as the master unit and communicates with a factory-fitted PCB on each of the 'slave' heaters it controls, thereby reducing the cost and time of installation. Further cost reductions are achieved through the use of low voltage control wiring (5-core for on/off, 6-core for high/low, 7-core for modulating units).

- The MC300 will also provide a read-out of the burner's operating hours to ensure servicing at appropriate intervals. When programmed with the correct data, it can also provide an indication of the running costs of the appliance.

*The slave unit is factory fitted at an additional cost

Compatible with:

- All Powrmatic heaters

The MC300 Multi can be connected to each heaters slave PCB in various ways depending on your application setup. The maximum cable length between each heater is 100m.

Unlike other multi-zone systems, the MC300 Multi setup keeps costs extremely low as the factory fitted slave PCB connects each heater and not by another slave controller.

* Important Note: For full technical specification notes please refer to the product installation manual on our website at www.powrmatic.co.uk