Installation Guide
MC206 Zoning Panel

Description

The MC206 is a six-zone panel designed for use with 24 VAC thermostats and actuators.

The MC206 can be used to control any actuator or valve opened using 24 VAC. An external relay is required for actuators and valves that operate with a closing signal. In addition, the MC206 provides the ability to operate a boiler or any other heat source via a dry contact activated by a request from the thermostat.

Other outputs have been specially designed for use in radiant heating systems. Specifically, the pump and actuator (valve) outputs make it possible to operate the manifold and the distribution system based on requests from different thermostats.

Optional 3-minute pump delay

Users can set the pump delay switch to ON or OFF. When the switch is set to ON, the pump will wait 3 minutes before responding to a request from one or more thermostats, giving the actuator time to fully open the corresponding valves. When the timer switch is set to OFF, the pump will begin running immediately after receiving a request from the thermostats.

Connections

Main 24 VAC power supply

The MC206's 24 VAC power supply should always be equipped with a fuse.

The relevant connections are:

R = Live 24 VAC wire

C = Common wire

Boiler signal

The main output for activating the heating unit:

IN = Boiler input

OUT = Boiler output

* Important: This is a voltage-free switch. Dry contact.

Zones 1 to 6 (Inputs)

The thermostat inputs are clearly marked at the top of the panel as follows:
(STAT Zones 1 to 6)

R = Live thermostat wire

C = Common thermostat wire

W = 24 V signal wire from the thermostat, for activating the corresponding output zone

Zones 1 to 6 (Outputs)

The zone outputs are clearly marked as follows:
(Actuators 1 to 6)

R = Live actuator/valve wire
C = Common actuator/valve wire

Pump signal

This is the main output for activating the circulating pump:

COM = common wire
NO = Normally open output contact
NC = Normally closed output contact

When a thermostat connected to the MC206 sends a request for heat, the pump relay is activated.
This is a voltage-free dry contact. Either the NO/COM or NC/COM outputs can be used for activating the pump,
depending on the type of installation.
In most cases, COM and NO are used.
The 3-minute pump delay can be set to ON or OFF as desired.

Fuses

Fuse 1.5 A surge fuse, 20 mm:
This fuse protects all board/valve outputs.

Wiring diagram