MTC ▶

Model No: IRS-TSIO
Description: HVAC Controller

The IRS-TSIO is a HVAC controller for 4 – pipe valve system. Through the system thermostat PID logic, module can control the FCU fan speed, cooling and heating of HVAC. A single module supports from 100 to 240 Volts AC Fan Coil Unit.

Product Specification

Loading Rating	
Fan control:	3-speed on/off fan coil
Valves control:	Cooling and heating, power on and power off valve control

Connection	
Fan speed:	(1) 4-pin 5mm screw terminal, 100-240V AC, 50/60Hz
Valve:	(1) 5-pin 5mm screw terminal, 100-240V AC, 50/60 Hz
Net:	(3) 4-pin 3.5mm detachable terminal blocks

LED Indicators	
HEAT:	(1) Red LED indicates heating
COOL:	(1) Red LED indicates cooling
HI:	(1) Red LED indicates high fan speed
MED:	(1) Red LED indicates medium fan speed
LOW:	(1) Red LED indicates low fan speed
TX/RX:	(2) Blue LEDs, indicate data throw to/from other IRS modules on the same bus
OVR:	(1) Red LED for override mode indication
RUN:	(1) Green LED flashing indicates the module operation

Control	
OVR:	(1) Recessed miniature pushbutton to enable override mode. Device will provide power to "Med" port directly
Net ID:	(1) 8 digital physical address switch for setting RoomNet ID
Reset:	(1) Recessed miniature pushbutton, resets the module

Power Requirements	
RoomNet power usage:	0.72 Watts (30 mAmps, 24 Volts DC)

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Enclosure

Light gray polycarbonate housing with polycarbonate label overlay, UL94 V-0, 35mm DIN EN 60715 rail mounted, DIN 43880 form factor of enclosure with 45 mm front panel cutout, occupies 4 DIN module space (72 mm)

Environmental

Operation temperature:	0°C - 45°C
Operation humidity:	20% - 90%

Dimension

Height:	90 mm
Width:	72 mm
Depth:	58 mm
Weight:	190 g

Features

• 3 Fans Speed: Low, Medium, High

• Override control

• Cooling and heating mode

• Reset function

• Standard 35mm DIN rail mounting

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