

Metasys® Field Controllers LONWORKS® Compatible

AD-FCC and AD-FCD

Fan Coil Control Solution

The AD-FCC and AD-FCD Fan Coil Unit Controller are LONWORKS® network compatible devices that provide direct digital control of a fan coil unit with heating and/or cooling coils, an electric heater and a three-speed fan.

The controller is designed for field installation or for mounting by original equipment manufacturers (OEMs).

The space comfort set point, occupancy mode and fan speed may be adjusted from a room command module.

The AD-FCC connects to the TM-21x0 series module and the AD-FCD uses the AD-IRM1005 module with a digital LCD display.

A LONWORKS compatible Room Command Module may also be used when the controller is integrated into a LONWORKS network.

The controller complies with the LONMARK® interoperability guidelines for sharing data with other network sensors and devices. Operating data can be monitored and controlled from a LONWORKS compatible supervisory system, including the Metasys® NCM Network Control Module and NAE Network Automation Engine that integrate the fan coil unit controller into a facility-wide management network.

Features

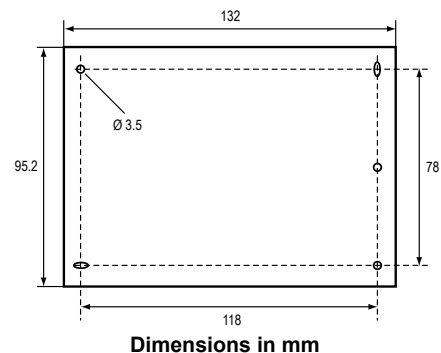
- 230 VAC power
- Relay outputs at 230 VAC 3A for direct fan control
- Triac outputs at 230 VAC for heating and cooling valve control
- Relay output for electric heater control
- Temperature setpoint and fan speed override from attractively styled room command module with option for digital display
- Multiple modes of operation for various occupancy conditions
- Configuration and commissioning using any LONMARK compatible LONWORKS network or commissioning tool
- LONWORKS peer-to-peer communications network
- LONMARK Space Comfort Controller Profile
- LONWORKS network connection to Metasys network controller



**AD-IRM1005
Integrated Room Module
with display**



**TM-2100
Series Room Module**



AD-FCC and AD-FCD

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Ordering Codes	Description
Fan Coil Controller Modules	
AD-FCC4245-1	Fan Coil Controller with LonWorks® Interface, 230 VAC Power Supply, 2 x Triac Outputs (230 VAC PWM) for Heating/Cooling, Relay Output for Electric Heater (1.5KW), Relay Outputs for 3-speed Fan (3A).
AD-FCD4245-1	Fan Coil Controller with LonWorks® Interface, 230 VAC Power Supply, 2 x Triac Outputs (230VAC PWM) for Heating/Cooling, Relay Output for Electric Heater (1.5KW), Relay Outputs for 3-speed Fan (3A) and Serial Bus for AD-IRM1005 Room Module
Room Modules with Temperature Sensor (80 mm x 80 mm) for AD-FCC	
TM-2140-0000	Room Module, NTC 10K Sensor
TM-2150-0000	Room Module, NTC 10K Sensor, Occupancy Button
TM-2160-0000	Room Module, NTC 10K Sensor, Setpoint Dial 12 - 28 °C, Occupancy Button
TM-2160-0002	Room Module, NTC 10K Sensor, Setpoint Dial 12 - 28 °C, 3-speed Fan Override, Occupancy Button
TM-2160-0005	Room Module, NTC 10K Sensor, Setpoint Dial +/-, Occupancy Button
TM-2160-0007	Room Module, NTC 10K Sensor, Setpoint Dial +/-, 3-speed Fan Override, Occupancy Button
TM-2190-0000	Room Module, NTC 10K Sensor, Setpoint Dial 12 - 28 °C
Room Module with Temperature Sensor (80 mm x 80 mm) for AD-FCD and Accessories	
AD-IRM1005-0	Integrated Room Command Module with Serial Bus I/F (to AD-FCD Controller)
AD-IRCBL99S-0	Serial bus cable RJ9 to RJ9 - Length 30 cm
AD-IRCBL99L-0	Serial bus cable RJ9 to RJ9 - Length 6 m
AD-IRCKJ09-0	Connectors RJ9 - Pack of 50
TE-9100-8502	Unit Mount NTC 10k Temperature Sensor