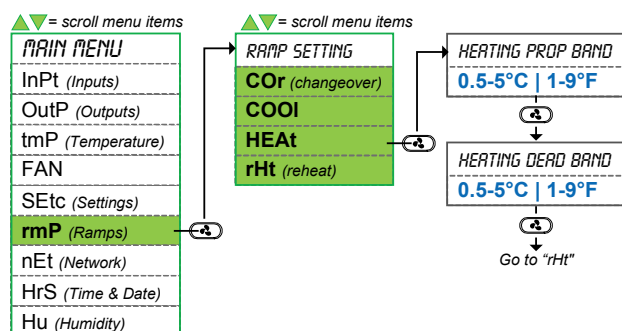




# EFCB Series Fan Coil Controller



## And more...



- Now features 4 TRIACs (TO) instead of 3.
- Now features 4 Analog Outputs (AO) instead of 2.
- MAC now addressable to 256 via DIP switches.

- New selections for DI1, DI2 and DI4 include: override all ramps, override heating ramps, window contact and door contact in addition to the airflow switch and dirty filter selections.
- Select direct or reverse acting for all outputs
- Set AI3 as an external temperature or humidity input (0-10Vdc or 2-10Vdc).
- Select NO or NC and configure a delay for all DI.
- New timer provides a delay before switching between cooling and heating (CL/HT switch time).
- Ramp controls for changeover, heat, reheat, cool, humidify and dehumidify ramps.

- Define the thermostat's display to meet your needs: Temperature and demand, setpoint and demand, temperature only, setpoint only, blank.
- Configure time and date via PGM or RUN mode. Enable time and day display via BACnet.
- Independent temperature unit selection for thermostat and BACnet (e.g. view °F on thermostat, but °C via BACnet).

- COV (change of value): Increase precision and reduce traffic by defining certain objects to communicate as soon as the value is changed.
- AO and BO: Analog Output and Binary Output Object Types are now supported.
- Two In One: BACnet MS/TP or Modbus communication port selectable via thermostat menu.
- Modbus: Selectable parity and stop bit configuration for Modbus port.
- Temperature reading can now come remotely via network.

| Model #   | Supply Voltage | DO (3A) | TO | AO | DI | AI |
|-----------|----------------|---------|----|----|----|----|
| EFCB10TU2 | 24Vac          | 2       | 4  | 4  | 4  | 6  |
| EFCB10TU4 |                | 4       |    |    |    |    |
| EFCB11TU2 | 120Vac         | 2       |    |    |    |    |
| EFCB11TU4 |                | 4       |    |    |    |    |
| EFCB12TU2 | 240Vac         | 2       |    |    |    |    |
| EFCB12TU4 |                | 4       |    |    |    |    |

|        |                              |
|--------|------------------------------|
| TFL24  | 2x4 Thermostat               |
| TFLH24 | 2x4 Thermostat with Humidity |
| TFL54  | 3x3 Thermostat               |
| TFLH54 | 3x3 Thermostat with Humidity |

- EFCB controllers V207 or higher require the use of thermostats V200 or higher.
- Thermostats with V200 or higher are backwards compatible and function with any version of the EFCB controller.



## Model Replacement Chart

| Previous Model #      | Comm.       | Supply | Extra Relays | Replacement Model # | Comm.            | Supply | 3A Relays |
|-----------------------|-------------|--------|--------------|---------------------|------------------|--------|-----------|
| EFC10W<br>EFCB10W     | -<br>BACnet | 24Vac  | -            | EFCB10TU2           | BACnet<br>Modbus | 24Vac  | 2         |
| EFC10WQ1<br>EFCB10WQ1 | -<br>BACnet |        | 1            |                     |                  |        |           |
| EFC10WQ2<br>EFCB10WQ2 | -<br>BACnet |        | 2            |                     |                  |        |           |
| EFC10WQ3<br>EFCB10WQ3 | -<br>BACnet |        | 3            | EFCB10TU4           |                  |        | 4         |
| EFC10WQ4<br>EFCB10WQ4 | -<br>BACnet |        | 4            |                     |                  |        |           |

|                       |             |        |   |           |                  |        |   |
|-----------------------|-------------|--------|---|-----------|------------------|--------|---|
| EFC11W<br>EFCB11W     | -<br>BACnet | 120Vac | - | EFCB11TU2 | BACnet<br>Modbus | 120Vac | 2 |
| EFC11WQ1<br>EFCB11WQ1 | -<br>BACnet |        | 1 |           |                  |        |   |
| EFC11WQ2<br>EFCB11WQ2 | -<br>BACnet |        | 2 |           |                  |        |   |
| EFC11WQ3<br>EFCB11WQ3 | -<br>BACnet |        | 3 | EFCB11TU4 |                  |        | 4 |
| EFC11WQ4<br>EFCB11WQ4 | -<br>BACnet |        | 4 |           |                  |        |   |

|                       |             |        |   |           |                  |        |   |
|-----------------------|-------------|--------|---|-----------|------------------|--------|---|
| EFC12W<br>EFCB12W     | -<br>BACnet | 240Vac | - | EFCB12TU2 | BACnet<br>Modbus | 240Vac | 2 |
| EFC12WQ1<br>EFCB12WQ1 | -<br>BACnet |        | 1 |           |                  |        |   |
| EFC12WQ2<br>EFCB12WQ2 | -<br>BACnet |        | 2 |           |                  |        |   |
| EFC12WQ3<br>EFCB12WQ3 | -<br>BACnet |        | 3 | EFCB12TU4 |                  |        | 4 |
| EFC12WQ4<br>EFCB12WQ4 | -<br>BACnet |        | 4 |           |                  |        |   |

**Note:**

- The next generation models include native BACnet MS/TP and Modbus RTU communication (selectable via menu).