

ELECTRO-MECHANICAL SIREN CONTROLLER

- Two-way Siren Controller for 48VDC Sirens
- Two-way Radio Control and Status Monitoring
- FSK Two-way Signaling Format
- Simultaneous Single Tone, Two-tone Sequential, and DTMF Decoding
- Push Buttons for Local Activation
- Landline, Ethernet (IP) or Radio Control
- UL Listed for general signaling

Two-way Digital Controller for 2001 and Eclipse Siren

Models ACFCTBD and DCFCTBD

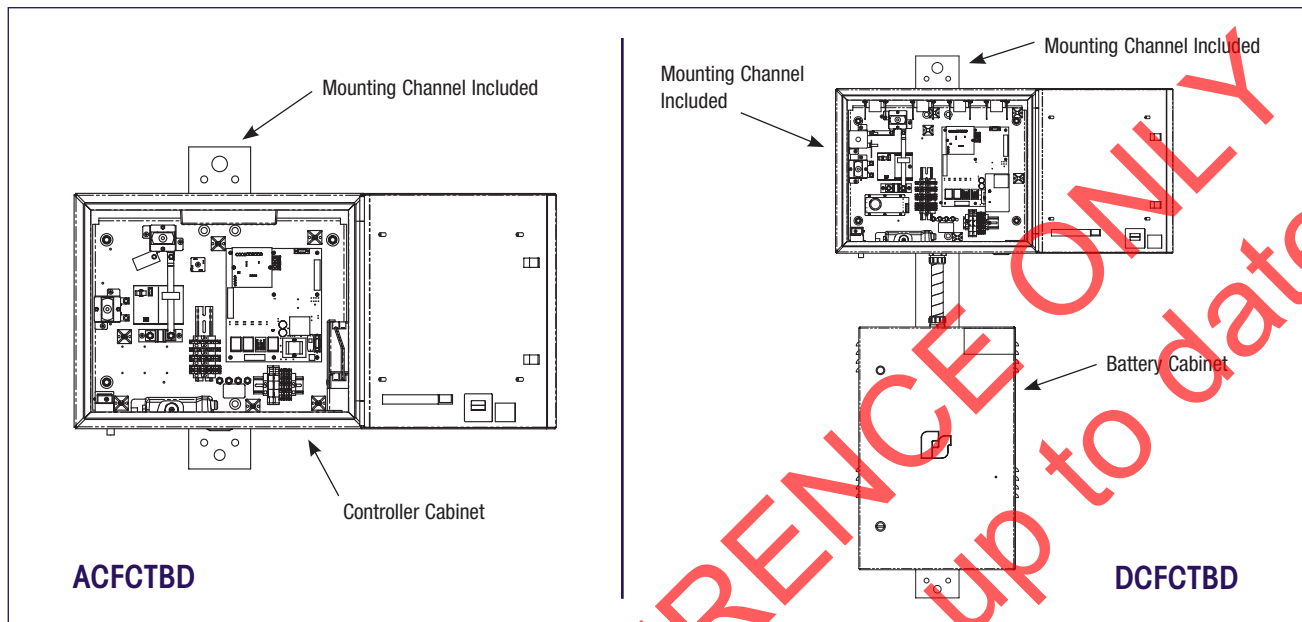
The ACFCTBD and DCFCTBD models are two-way, battery-operated status monitoring siren controllers for use with the 2001 and Eclipse siren series. These controllers interface with an off-the-shelf two-way radio transceiver and communicate to the base control via FSK signaling. In addition to FSK, the controllers will decode any combination of Single-tone, Two-tone Sequential, or DTMF formats. This makes the two-way controllers compatible with virtually any existing siren control system.

All ACFCTBD and DCFCTBD models come equipped with four (4) independent relay outputs that can be programmed to activate with various codes. There are four (4) landline inputs and four (4) local push buttons for activation, plus cancel. Activation codes, relay timing, and optional warning sounds are programmed into the unit through a standard RS232 serial port or over-the-air from the central control point.

The ACTCFTBD and DCFCTBD models offer six (6) user programmable functions in addition to the five pre-set functions: ARM, DISARM, REPORT, GROWL TEST, and MASTER RESET. The controllers includes the necessary sensors and wiring to supply information on the following areas of operation: AC Power Status, Communications Status, Low Battery Voltage Indication, Siren Activation Current, Intrusion, and Siren Rotation.

The DCFCTBD models are available in VHF-high, and UHF bands using Motorola transceivers to provide two-way signaling capabilities. An optional transformer/rectifier, used for primary system power in an AC/DC configuration, is available when AC power with battery back-up is required.

TWO-WAY DIGITAL CONTROLLER FOR 2001 AND ECLIPSE SIREN (ACFCTBD/DCFCTBD)



SPECIFICATIONS

| | | | |
|--|------------------------|----------------------------|---------------------------|
| Operating Temperature: | -30°C to 65°C | Shipping Weight: | |
| AC Supply Voltage: | | ACFCTBD: | 155 lbs. (70.5 kg) |
| ACFCTBD: | 115VAC @ 4.0 amps | DCFCTBD: | 300 lbs. (136.36 kg) |
| DCFCTBD: | 120VAC @ 4.0 amps | 2001 TRBP: | 150 lbs. (68.2 kg) |
| 2001TR: 08/220/240 VAC single phase @ 25-30 amps (approx.) | | Current Draw: | < 0.2 amps in standby |
| ACFCTBD: | 8A @ 13.3VDC | 4 Relay Outputs: | SPST |
| DCFCTBD: | 6A @ 13.3VDC | Contact Rating: | 5A @ 28VDC 5A @ 240VAC |
| Battery Backup: | | Audio Output Voltage: | >2V Peak to Peak |
| ACFCTBD: | 12VDC 12A/H standby | Total Harmonic Distortion: | 10% @ 1kHz Sinewave |
| DCFCTBD: | 48VDC | Maximum Audio Load: | 8 Ohms |
| Dimensions: | | | |
| ACFCTBD Controller: | 18" x 22.5" x 11" | | |
| DCFCTBD Controller: | 19.0" x 23.5" x 11.19" | | |

REPLACEMENT PARTS

| <u>Description</u> | <u>Part Number</u> |
|--|---------------------------|
| Two-way Federal Controller, AC Powered | ACFCTBD ^{1,2} |
| Two-way Federal Controller, DC Powered | DCFCTBD ^{1,2} |
| Two-way Federal Controller, High Band, 148-174 MHz, AC Powered | ACFCTBDH ^{1,2,3} |
| Two-way Federal Controller, High Band, 136-174 MHz, DC Powered | DCFCTBDH ^{1,2,3} |
| IP-enabled Two-way Electro-mechanical Controller | DCFCTBD-IP ^{1,3} |
| Two-way Federal Landline Controller | DCFCTB-LL ¹ |
| Two-way Federal Controller, UHF Band, 450-470 MHz, AC Powered | ACFCTBDU ^{1,2,3} |
| Two-way Federal Controller, UHF Band, 450-470 MHz, DC Powered | DCFCTBDU ^{1,2,3} |

HOW TO ORDER

Contact our Federal Signal Sales Engineers to design a system that meets your specific requirements.

Considerations for system configuration:

- Specify Federal Programming software (FSPWARE) for non-digital applications or Federal Commander Digital Software

¹ For use with 2001 and Eclipse siren series

² Antenna and cable are not included with radio activation control and must be ordered separately

³ Batteries required. Call for assistance with specific system requirements