



► Model DCFCTBD

Two-Way Digital Controller for Electro-Mechanical Sirens

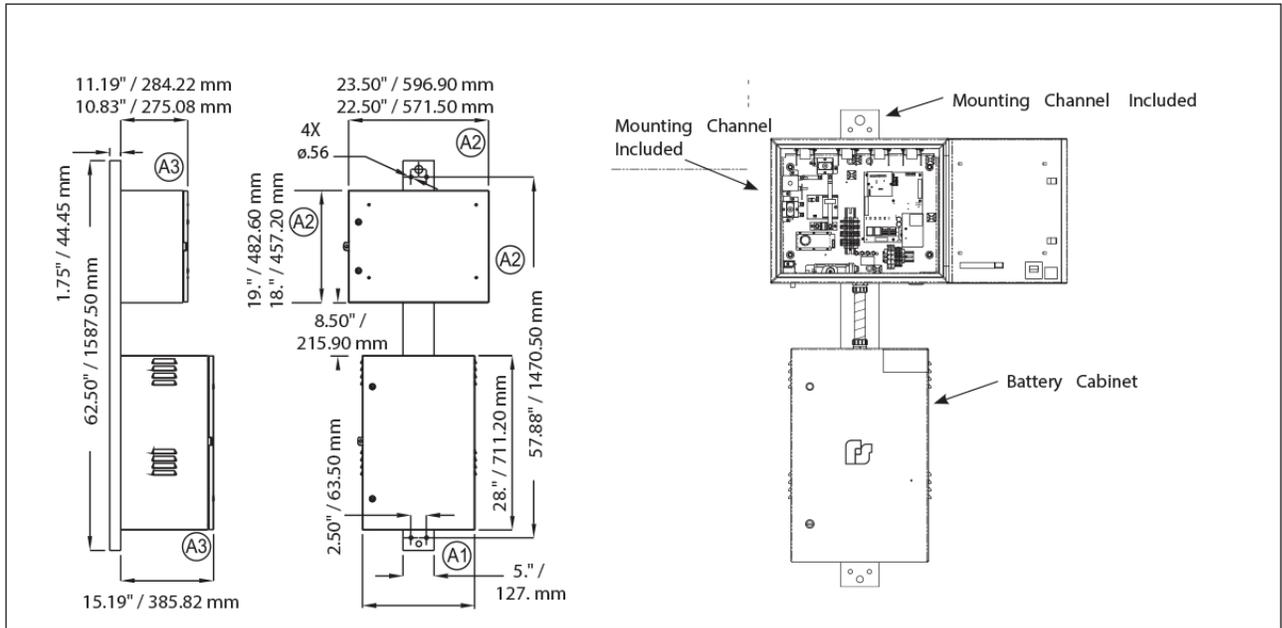
Federal Signal DCFCTBD siren controllers are two-way digital, battery-operated/back-up and status monitoring systems for use with the Federal Signal 2001-130, Equinox, 508-128 and Eclipse8 sirens. The DCFCTBD siren controller typically interfaces with off-the-shelf two-way radio transceivers and communicates to a base controller. DCFCTBD siren controllers can be used with radios utilizing single-tone, two-tone sequential, DTMF, POCSAG, AFSK, EAS and digital formats such as P25 and Tetra. The DCFCTBD controllers can be equipped with optional communications such as landline, IP, fiber, satellite, and cellular. This makes DCFCTBD siren controllers compatible with virtually any existing siren control system or communication method. There are four local inputs and four local push buttons for activation, plus a reset option.

DCFCTBD models come equipped with four independent relay outputs that can be programmed to activate with local inputs, local pushbuttons or via the communications channels. 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 DCFCTBD siren controller offers six user programmable functions in addition to the five pre-set functions (arm, disarm, report, growl test and master reset). These controllers include sensors to supply information on the following areas of operation: AC power status, communications status, low battery status, intrusion, siren activation, current intrusion, siren rotation and local activation.

F E A T U R E S

- Two-way siren controller for 48VDC Sirens
- Two-way radio control and status monitoring
- Simultaneous two-tone sequential, DTMF, EAS, POCSAG, and digital AFSK decoding for security
- Able to utilize multiple communication paths for redundancy
- Controls mechanical sirens, including models 2001-130, Equinox, 508-128 and Eclipse8
- Solar options available
- Push buttons for local activation
- Landline, Ethernet (IP) or radio control
- UL Listed for general signaling
- DNV Certified

Two-Way Digital Controller for Electro-Mechanical Sirens (DCFCTBD)



SPECIFICATIONS

Operating Temperature: -22°F to 149°F / -30°C to 65°C
 AC supply voltage: 120VAC @ 4.0 Amps
 240VAC @ 2.0 Amps
 Battery Backup: 48VDC
 Current Draw: +/- 10%, 50/60 Hz, maximum standby current
 DCFCTBD Power Supply: 6A @ 13.3VDC
 Battery Backup: 48VDC
 Current Draw: < 0.2 amps in standby
 Programmable Frequency: Federal Signal can program your radio to your specific requirements
 EAS: Supports standard EAS codes and wildcards
 POCSAG: Supports binary AFSK 512 Baud numeric messages.
 4 relay outputs: SPST
 Contact Rating:(4 relays standard) 5A @ 28VDC – 8A @ 240VAC
 Shipping Weight:
 DCFCTB Total Weight (including batteries) 364 lbs 165 kg
 Shipping Weight (excluding batteries) 300 lbs 136 kg
 2001TRBP Net Weight 150 lbs 68 kg
 2001TRBP Shipping Weight 190 lbs 86.2 kg

OPTIONAL ACCESSORIES

Description	Part Number
Federal programming software (Non-digital applications)	FSPWARE
Commander® Software System, *10, 25, 255, or 512 Site License	SFCD*
208-240VAC operation	2001TRBP
Activation system	SS2000+
Solar powered option	Contact Federal Signal
Antenna	Contact Federal Signal

HOW TO ORDER

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

Description	Part Number
Two-way Controller DC Powered, no radio	DCFCTBD
Two-way Controller, Radio Controlled, DC Powered (H=high band, U=UHF)	DCFCTBDH/U
Two-way Controller, IP-enabled, DC Powered	DCFCTBD-IP
Two-Way Federal Controller, UHF Band, 450470 MHz, DC Powered with Radio Faceplate	DCFCTBDU-FP
Two-Way Federal Controller, High Band, 136-174 MHz, DC Powered with Radio Faceplate	DCFCTBDH-FP

Note:
 Antenna and cable are not included with radio activation control and must be ordered separately
 Batteries required. Call for assistance with specific system requirements