

► Model DCFCTBD

## Two-Way Digital Controller for Electro-Mechanical Sirens

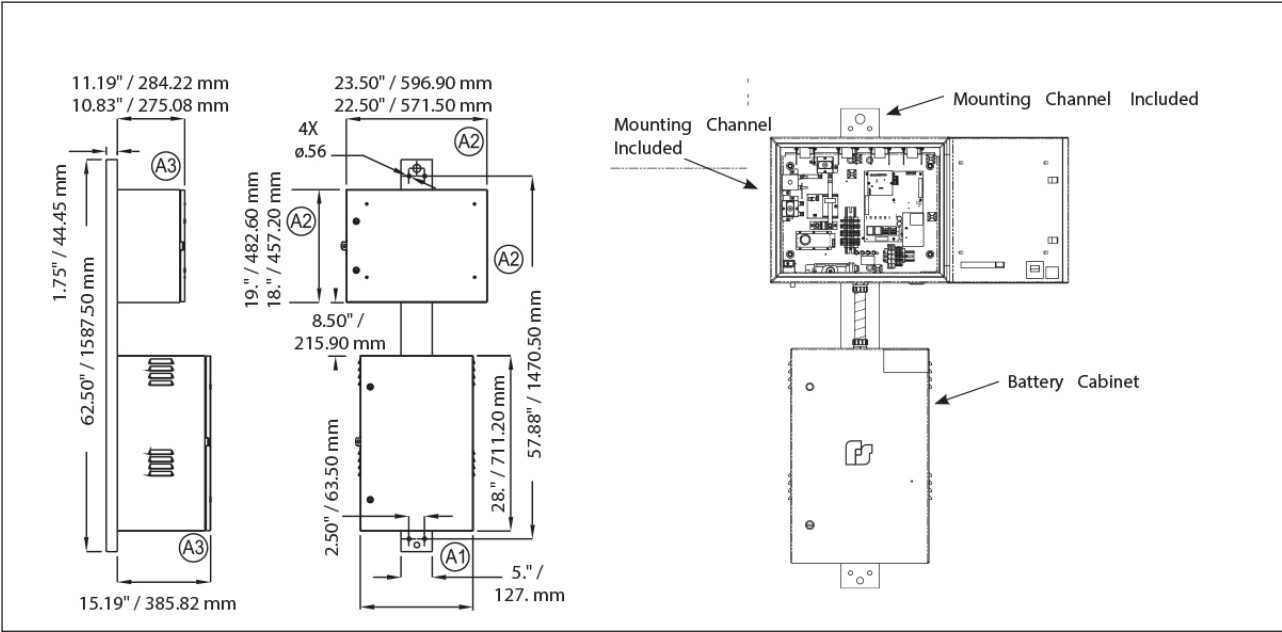
Federal Signal DCFCTBD siren controllers are two-way digital, battery-operated/back-up and status monitoring systems for use with the Federal Signal 2001-130, Equinox, 508-128 and Eclipse8 sirens. The DCFCTBD siren controller typically interfaces with off-the-shelf two-way radio transceivers and communicates 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	
Serial Port Protocol:	RS232C 1200, N, 8, 1	
Programmable Frequency:	Power Out and Private Line options. For further details, consult the Vertex® product manual.	
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

## 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	<b>DCFCTBD</b>
Two-way Controller, Radio Controlled, DC Powered (H=high band, U=UHF)	<b>DCFCTBDH/U</b>
Two-way Controller, IP-enabled, DC Powered	<b>DCFCTBD-IP</b>

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

## OPTIONAL ACCESSORIES

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