



Siren Controller

Model FC & FCG

ECONOMICAL, FULL-FEATURED SIREN CONTROLLER

- Remote radio control function available
- Controls warning lights and audible devices
- Two-tone sequential, DTMF and digital FSK decoding
- Four individually programmable output relays
- Push-button local control or dry-contact closure inputs for landline control
- Six built-in siren tone signals (Model FCG)

The Federal Signal Controller Model FC is a 120VAC radio receiver/decoder and timer with relay outputs. This versatile model is ideal for virtually all siren control applications and any other process which can be controlled via relay contacts.

The microprocessor-based controller comes with two-tone sequential, dual-tone multiple frequency (DTMF), or frequency shift keying (FSK) decoding capabilities, and up to four individually programmable relays.

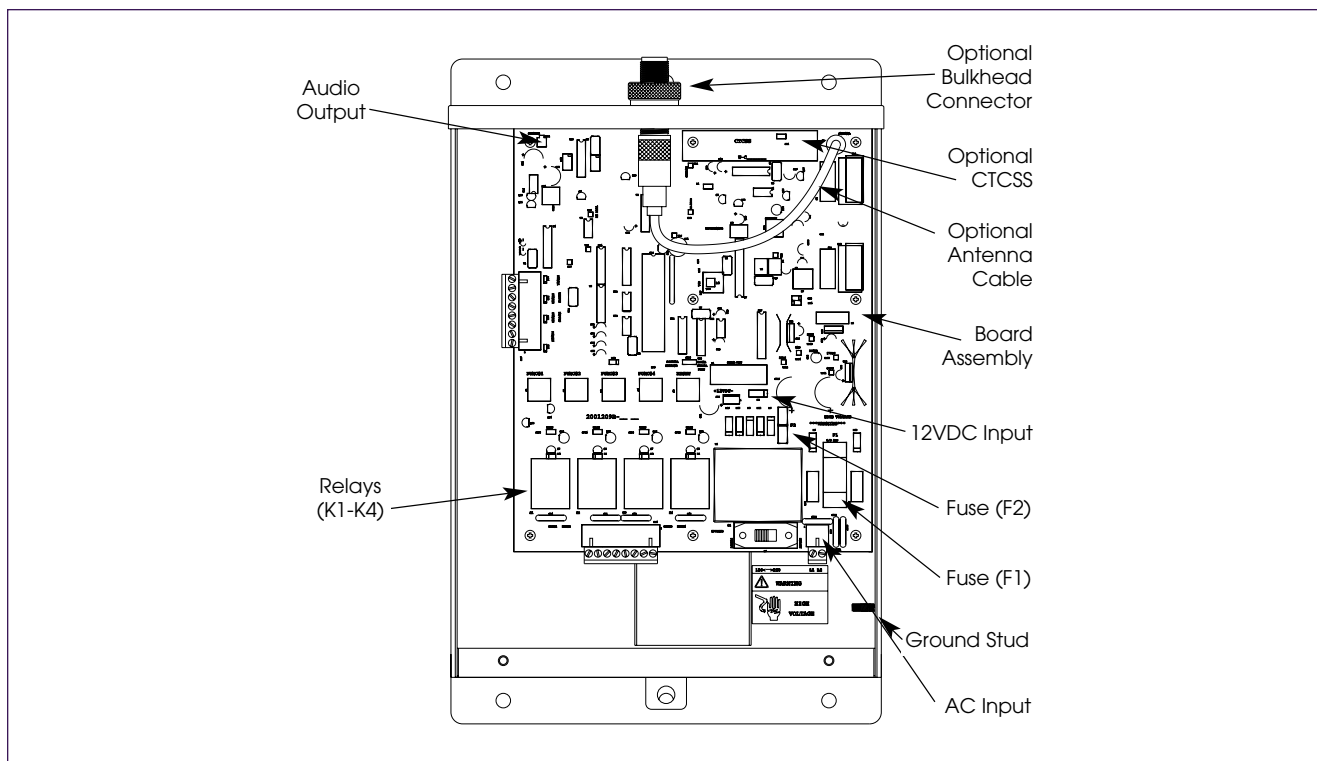
Options include a synthesized radio receiver (low band, high band, or UHF), a built-in tone generator for model FCG, which adds six standard tones, public address capability, and a software package that allows the unit to be connected to any IBM-compatible computer to modify supplied timing or to create unique tone patterns. Programming options include radio receiver frequency, two-tone sequential tones/DTMF/FSK decoding digits, custom audible signal tones, and independent control of output relays and timing patterns for electromechanical sirens.

Up to six control codes may be programmed and activated by any combination of two-tone sequential, DTMF or FSK tone bursts. Four of the timing sequences can be initiated using local push buttons or remotely through dry contact closures.

The Federal Controller is used to control Federal Signal siren Models 2, 2001 and STH10. Also, the unit can be used to add radio activation of indoor PA and SelecTone® systems, to control warning lights, or to replace existing and outdated electro-mechanical timing mechanisms for existing systems.



RADIO ACTIVATED CONTROLLER (FC/FCG)



SPECIFICATIONS

ELECTRICAL

AC Power Inputs:	120 or 240VAC
Battery Input:	10.5 to 18.0VDC
Input Current:	120VAC 64mA AC Max.
	12VDC 320mA DC Max.
Relay Output Timings:	0.5 to 999 seconds

RECEIVER/DECODER

Frequency Range (programmable):	
Low Band	30 to 50MHz in 5kHz steps
High Band	148 to 174MHz in 5kHz steps
UHF	450 to 470MHz in 12.5kHz steps
Sensitivity:	0.35 uV for 12dB SINAD
Rejection:	(-60)dB
Selectivity:	(-60)dB
Stability:	5.0 ppm
Antenna Impedance:	50.0 ohms
Audio Band Pass:	64 to 3300Hz

Deviation Acceptance: 3.5± 1.0kHz for valid decoding (3.3 kHz nom.)

Decode Sensitivity: 20dB S/N (typical 0.5 uV or RF)

DTMF

Format: 50/50 to 1000/1000 milliseconds (digit duration/digit silence)

Digit Length: 3 to 12 digits

FSK

Format: 1200 Baud, MSK

Usable Decode Sensitivity: 10dB SINAD (min.)

TWO TONE

Timing: 0.5 to 8.0 seconds duration (each tone)

Intertone Silence: 0.4 seconds max.

Frequency Range: 300-3000Hz

Operating Temperature: 30F° - 60°F (-34°C - 15.6°C)

Dimensions: 14.25"H x 9.25"W x 5.5"D (36.2cm x 23.5cm x 14cm)

HOW TO ORDER

- Have your Sales Representative contact our highly trained Federal Signal Field Sales Engineers to help you design a system that meets your facilities specific requirements. We can help you:
- Specify model (FC) – call representative for various options to meet specific requirements.
- Specify voltage (120VAC or 240VAC)
- Specify radio frequency
- Specify antenna (RP164) high band or UHF band (one way)
- Specify options: Programming Software (SFCWIN) Federal Controller with built-in tone generator (FCG) Tone coded squelch decoder (CTCSS/PL)