



► Model UCT-WLN Series

## Universal Controller

The UCT-WLN series of siren controllers allow third-party devices and sirens from other manufacturers to be controlled and monitored from Federal Signal SS2000+, Commander®, CommanderOne® and CommanderOne LE siren control products. The UCT-WLN model series are optimized to seamlessly integrate Whelen® Vortex, Omni, Hornet, and WPS Series sirens with the advanced features of Federal Signal's siren control and status monitoring systems to provide full control and status monitoring capability.

Communication options are available for conventional High-Band, UHF, 800 MHz, Digital P25, and 4G cellular networks. Federal Signal's FSIoT unique cellular multi-carrier communications platform utilizes AT&T®, Verizon®, and T-Mobile® with automatic carrier selection to dynamically optimize reliability and performance. In addition to multi-carrier redundancy, additional communications redundancy can be obtained by combining cellular and RF communication options within the Universal Controller.

The UCT-WLN controller and communication devices are housed in a lockable NEMA 4 enclosure, rated for indoor/outdoor use. A small interface PCB mounts in the Whelen siren controller to minimize external field wiring by using an I<sup>2</sup>C buss instead of discrete wiring, simplifying installation.

### F E A T U R E S

- Optional two-way radio transceiver (VHF, UHF, or 800 MHz)
- Optional FSIoT 4G cellular modem
- Radio PA audio output
- Four individually programmable output relays with selectable N.O. or N.C. contacts
- Four contact closure inputs for remote landline activation
- Two RS232 Serial/Programming Ports and I<sup>2</sup>C Buss
- Eight remote sensor inputs and a built-in monitor for AC voltage
- Local display of function counters and incoming decoded signals
- 24 Vdc Operation
- Two-Tone, DTMF, POCSAG, and MSK Decoders
- Configurable control of any six Whelen siren control functions plus SI-TEST and Cancel
- Status Monitoring: AC Power, DC Voltage, Intrusion, Communication Status, Amplifier Status, Rotation (optional), Local Activation, Last Function (time/date)
- Compatible with SS2000+, Commander, and CommanderOne siren control systems

## HOW TO ORDER

UCT Model	Description
UCT-WLN-H	UCT Controller with High-Band (136-174 MHz) radio transceiver
UCT-WLN-U	UCT Controller with UHF (400-470 MHz) radio transceiver
UCT-WLN-FSIOT	Controller with 4G cellular modem (AT&T®, Verizon® or T-Mobile®) with cabinet mounted antenna
UCT-WLN-H-FSIOT	Redundant High-Band and Cellular Combination
UCT-WLN-U-FSIOT	Redundant UHF and Cellular Combination

## SPECIFICATIONS

24 Vdc Input	20-75 Vdc (300 mA Standby, 8 A Transmit at 24 Vdc)
Current draw	8 A at 24 Vdc

## Environmental and Dimensions

Operating Temp	-22°F to 149°F (-30°C to +65°C)
Humidity	0 - 98% non-condensing
Dimension (H x W x D)	13.5 x 10 x 6 in (34.3 x 25.4 x 15.3 cm)
Net Weight	18 lb (8.1 kg) includes transceiver
Shipping Weight	20 lb (9 kg) includes transceiver

## ACCESSORIES

Part Number	Description
SFCD-10 SFCD-25 SFCD-255 SFCD-512	Federal Commander® Control and Status Monitoring Software (up to 10, 25, 255, 512 sirens site respectively)
COMMANDER1-S COMMANDER1-P COMMANDER1-E COMMANDER1-LE	CommanderOne® Subscription (Standard, Pro, Enterprise, Limited Edition)
PBS-4	Outdoor rated NEMA 4 button panel
CP-FS1	FSIoT Annual plan (multi-carrier AT&T, Verizon, or T-Mobile)
CP-FSSETUP	FSIoT, One time setup fee

## Antenna

Part Number	Description
OMNI-BXX	Omni directional antenna (VHF, UHF, 800 MHz models available)
YAGI-XX	Directional antenna (VHF, UHF, 800 MHz models available)
CELL-ANT1	4G Cellular 9 dB gain antenna

**NOTE:** Standard antenna connections are Type N.

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