

CS3-WEN

The Calsense Wi-Fi communication device, model CS3-WEN, offers high performance wireless connectivity for remote access and easy management of CS3000 Irrigation Controllers across the Internet using the cloud-based Calsense Command Center Online web application.

Description

The CS3-WEN provides bullet-proof security by offering robust data encryption and authentication options including AES, SSH and SSL. Configuration of the model CS3-WEN is simple using a smartphone, allowing you to quickly authenticate against an existing Wi-Fi network in minutes. Remote configuration over a network is also possible using a web browser.

- Increased wireless speed, improved reliability and extended transmission range with dual-band 802.11n
- Enterprise-level security options including AES, SSL, SSH and EAP for data encryption and authentication
- Delivers reliable, long distance data communication via the internet
- Doesn't require any trenching or wires

This option also enables the Calsense Command Center Online web application to communicate with a controller through a spread spectrum or local radio system, which consists of one or more spread spectrum or local radio hubs and one or more controllers with the CS3-SR or CS3-LR option. The hub manages data flow between the cloud and surrounding controllers.

Wi-Fi Communication Accessories

Antenna

An antenna, purchased separately is required to use the Wi-Fi communication option.

- The Calsense Stubby Antenna, model WEN-STUBBY, is an omnidirectional, low profile transit antenna designed for all environments and applications

Note: LMR-400-DB or LMR-600-DB cable is required if mounting a stick or yagi antenna.

Optional Equipment

The Calsense Spread Spectrum Radio Frequency Filter, model SR-FILTER and the Calsense Antenna Cable Surge Protector, model ANT-PROT, are recommended when using STICK and YAGI antennas with the Spread Spectrum Radio communication option.



Technical Specifications

Wireless Interface

- Frequency Range: 2.412 - 2.484 GHz, 4.900 - 5.925 GHz
- Standards: IEEE® 802.11 a/b/g/n

Security

- Wireless Encryption: AES/CCMP, WPA/WPA2 PSK, IEEE 802.1X
- Authentication: PSK, EAP (TLS, TTLS, PEAPv0, PEAPv1, FAST)

Environmental

- Operating Temperature: -40° to 70°C (-40° to 158°F)
- Relative Humidity: 5 to 95%, non-condensing
- IP Rating: 30

Transient Protection

- Power Input: Up to non-repeated 600-W 10/100 μs pulse protection
- Ethernet Port: 1.5-KV surge isolation
- Serial Port: 15-KV ESD protection

Certifications

- Emissions: FCC, CE, IC, C-Tiek
- Safety: UL® • Wi-Fi • REACH • RoHS

Warranty

- 3-year limited warranty

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