



The CWSI wireless fire alarm products offer system versatility like no other. Frequency Hopping Spread Spectrum Technology (FHSS), coupled with bi-directional RF communication, Repeater Network Architecture and 200 Second Supervisory Polling, provides for the industry's most secure and reliable wireless fire alarm network.

#### The CWSI System:

**The CP 3000/ 3000D** will support up to 1024 addressable devices and repeaters while providing true network operation and communication. Network operation includes wireless command signals to repeaters for activation of control functions such as appliance circuits, elevator recall, HVAC control and more. The 3000 allows for the reporting of up to four separate alarm types and provides for event memory recall of alarm, supervisory and all control functions. The CP-3000D Control Panel has the capability to communicate all 1024 points to an off premise monitoring station when used in conjunction with the Keltron SDACT Communicator. With this supervised dialer interface, the CP-3000D can pinpoint off site annunciation and offer point specific fire alarm reporting.

**The Model AR-3 Repeater** is an addressable bi-directional repeater which is used to form a cellular reception network which receives, screens, verifies, and retransmits low power radio signals from other CWSI wireless initiating devices, repeaters and control panels. In addition to providing RF signaling within the installation the AR-3 provides supervised addressable NACs.

**The RB Relay Box** is an optional accessory for connection to the AR-3 repeater. It provides up to 40 normally open dry contact outputs. The number of relays corresponds to the model number of the unit for example RB-10 is a ten relay box. These can be ordered in increments of ten relays. The relay box is ideal for interconnection to Dialers, Elevator Recall, HVAC Control, and manufacturer's equipment when other control interfaces are required.

**The Model 300/301/302 Photoelectric Smoke Detectors** are state of the art wireless addressable photoelectric smoke detectors. The Model 300 provides an internal 85db temporal horn for smoke detector applications, requiring signal point audibility and annunciation. The Model 301 offers tandem activation of multiple detectors making this product the first commercially listed wireless smoke detector to offer this feature. The Model 302 is a No-audible smoke detector for use in common areas. All models are supervised for low battery, tamper and 200 second polling. They also provide for the first bi-directional communication between the transmitter and smoke detector, allowing for hardware fault supervision of the detector itself.

**The Model 350 CO Detector** is a state of the art wireless addressable Carbon Monoxide Detector which provides an internal 85db temporal horn for CO detector applications, requiring signal point audibility and annunciation. The 350 is supervised for low battery, tamper, cell health, cell end of life and meets 200 second supervisory polling requirements.

**The Model 340/340TS Fire Transmitters** are addressable transmitters designed specifically for connection to initiating devices, sprinkler flow and supervisory switches, and other UL miscellaneous accessories with normally open contacts. The Model 340/340TS Fire Transmitters are UL Listed 864. In addition to the supervisory features such as low battery, tamper, 200 second supervisory polling and end of line violation, the Models 340/340TS offer the option of either Style 1 or Style 2 wiring configuration.

**The Model 310 Manual Fire Alarm Pull Station** The 310 is a self contained addressable dual action lexan fire pull station with a built in transmitter. It is UL listed 38 and complies with ADA requirements. The 310 offers supervisory features such as low battery, tamper monitoring and 200 second supervisory polling.



### CP 3000/ 3000D FIRE ALARM CONTROL PANEL

- **UL 864/1730 9th Edition Listed**
- 1024 device capability
- 4 Alarm Types
- Bi-Directional RF Communication
- 900 MHz Frequency Hopping Spread Spectrum Format
- CRC Data Validation
- Dual Transceiver Design
- Tandem Smoke Detector Control
- 24 or 60 Hour Battery Standby Time
- Field Selectable NAC Voltage and Class
- 4 N.O. Alarm Dry Contact Outputs
- 2 Form C Programmable Dry Contact Alarm Outputs
- 2 Form C Trouble Outputs
- Auxiliary Municipal City Box Output
- Time and Date with Daylight Savings Self Adjustment
- Device Enrollment Feature
- Password and Key Lock Protected Non-volatile Memory
- Field Programmable
- **History of events for:**
  - 1000 Alarm/Supervisory Signals
  - 1000 Trouble Signals
  - 1000 Test Log Signals
  - 2000 All Event Log Report

#### CP 3000D ADDITIONAL FEATURES

- Point Specific Fire Alarm Reporting
- Pinpoint Off-Site Annunciation
- SIA Format Event Reporting
- Supervised Dialer Interface
- Test Mode Automatically Times out in 4 Hours
- Compatible with Keltron SDACT Communicator



### SERIES 3 MODEL AR-3 AC POWERED REPEATER

- **UL 864 9th Edition Listed**
- Bi-Directional RF communication
- 900 MHz Frequency Hopping Spread Spectrum Format
- CRC Data Validation
- Dual Transceiver Design
- 60 Hour Battery Standby Time
- **Field programmable Special Application and Regulated NACs:**
  - Special Application NACs:** Programmable Non-power Limited. 1 Class "A" (Style Z) or 2 Class "B" (Style Y) Field Selectable.
    - Class A ratings: 12 Volts DC @ 1.75 Amps or 24 Volts DC @ 1 Amp
    - Class B ratings: 12 Volts DC @ 1.75 Amps each or 24 Volts DC @ 1 Amp each
  - Regulated NACs:** Programmable Non-power Limited. 1 Class "A" (Style Z) or 2 Class "B" (Style Y) Field Selectable.
    - Class A ratings: 12 Volts DC @ 175 Milliamps or 24 Volts DC @ 100 Milliamps
    - Class B ratings: 12 Volts DC @ 175 Milliamps each or 24 Volts DC @ 100 Milliamps
- Wireless Activation of NACs and Relays
- 200 Second Supervisory Polling



### RELAY BOX RB-10/RB-20/RB-30/RB-40

- **UL 864 9th Edition Listed**
- Bi-Directional RF Communication
- 900 MHz Frequency Hopping Spread Spectrum Format
- CRC Data Validation
- Dual Transceiver Design
- 60 Hour Battery Standby Time
- Up to 40 N.O. Programmable Dry Contact Outputs\*
- Wireless Activation of NACs and Relays
- Dry Contact Relays

\* Available when optional model RB-10, 20, 30 or 40 relay box is connected to the AR-3. All relay outputs are programmable and rated for 24 Vdc @ 1Amp. The number after RB indicates the number of outputs provided.



### MODEL 300/301/302 PHOTOELECTRIC SMOKE DETECTOR

- Model 300 – 85db Temporal Code 3 Sounder**
- Model 301 – 85db Tandem Operation with Temporal Code 3 Sounder**
- Model 302 – No-audible**
- **UL 268**
- Optional Tandem Operation • Automatic Drift Compensation
- Hardware Fault Supervision
- Precise Field Sensitivity Diagnostics
- Pre-Alarm Maintenance Signal
- Pre-Low Battery Signal 48 hour prior to horn chirp
- Field Replaceable Chamber
- Operated on Single 3 Volt Lithium Battery
- Temporal Code 3 Sounder • Low Profile
- 900 MHz Band FHSS Transmission Format
- 200 Second Supervisory Polling



### MODEL 350 CO DETECTOR

- **UL 2075**
- Operated on a Single 3 Volt Lithium Battery
- Pre-Low Battery Signal 7 Days Prior to Horn Chirp
- Temporal 4 Sound Pattern
- 900 MHz Band FHSS Transmission Format
- Electrochemical CO Sensing Element
- CO Cell Supervised for Health and End of Life
- Test/Hush Switch • Low Profile



### MODEL 340/340TS FIRE TRANSMITTER

- **UL 864 9th Edition Listed**
- Selectable Style 1 or Style 2 Wiring
- Bi-Directional RF Communication
- Operates on a Single 3V Lithium Battery
- Fully Supervised
- 900 MHz Band FHSS Transmission Format
- 200 Second Supervisory Polling



### MODEL 310 FIRE PULL STATION

- **UL 38**
- ADA Compliant
- Highly Visible
- Key Reset
- Operates on Single 3V Lithium Battery
- Fully Supervised
- 900 MHz Band FHSS Transmission Format
- 200 Second Supervisory Polling