

CCSWH Central Control Station



Description

The Central Control Station (CCSWH) is designed to meet the requirements of military and industrial facilities for reliable Outdoor and Indoor Emergency Notification. The Central Control Station consists of a Central Control Unit that interfaces with a computer PC station running Wheelock Wireless Software.

The Wheelock Wireless Software Package displays control and status activities, stores information and displays system operations. Interfaced with the Central Control Unit, the software processes and displays the FSK data received and transmitted.

Standard Equipment

The CCSWH includes Wheelock's Central Control Unit, Wheelock Wireless Software Package, Windows Operating System, computer, keyboard, monitor, printer, mouse, cables, and multi-outlet strip.

Application

The Central Control Station (CCSWH) is used to remotely activate and manage a virtually limitless number of independent SAFEPATH® Evacuation Systems located throughout a facility, military base, or campus environment. The CCSWH communicates with each remote SAFEPATH® unit via radio frequency data transfer, using highly secure Frequency Shift Keying (FSK) signaling technology. SAFEPATH® units are interfaced directly with the CCSWH utilizing proprietary wireless Remote Controller interface units (RCIWH) installed alongside the SAFEPATH® Evacuation Systems at remote field locations.

The CCSWH provides a fully supervised two-way control communication link with each RCIWH and SAFEPATH®, ensuring that the operator is immediately informed of any system status changes that may occur between supervisory interrogation periods. Critical alarms, including system activation, low battery and system trouble are immediate. Multiple CCSWH units can be configured to assure system redundancy.

Features

- Performs Alarms, Public Address, Silent Test and Cancel Operations
- Operator interface requires minimal training.
- Activates the system speakers and strobes and displays results
- Operates all Wheelock Outdoor and Indoor Emergency Notification Equipment
- Monitors unsolicited messages from remote sites (AC Fail, Intrusion, Sound, Battery Low, etc.).
- Single (Individual), group (Zone), or facility wide (Total) activations
- Manual polling on Individual, Zone, or Total indoor and outdoor equipment
- Configurable automatic scheduled polling or silent test operations
- Configurable alarm activations. The alarm configuration includes the alarm tone type, tone duration, pre-recorded messages (optional) and number of cycles the alarm is to be played
- Archives and prints reports for all system activities
- Automatic or manual operation reports
- Supervises communication between the Central Control Unit, Software and all remotely located equipment
- Simple to use activation alarm buttons
- Three levels of password protection (Activation, Services, and Configuration)
- Drop down menu displaying speaker status
- Supervised communications with additional Central Control Stations
- Ability to place Wheelock equipment out of service without disturbing Central Control Station Operations.
- VHF or UHF or trunked radio operation
- CCSWH-PORTLT can be powered by a standard 120 VAC or 13.5 VDC vehicle source

Data Integrity

The FSK encoding/decoding data communications format is transmitted over a conventional or trunked two-way RF system. For data error detection and integrity, extended parity check and redundant messaging systems are utilized. Each eight-bit block of information in the message is transmitted along with an eight-bit parity check. If the transmitted data does not match the parity code, the message is ignored, and therefore no remote alarm is detected, greatly eliminating the chances of false activation.

Each data packet consists of three redundant messages to assure that at least one secure message will be received to properly activate the system.

Added data security is obtained by the use of a timed synchronization code, which occurs upon system power-up, but is completely unrelated to the time of day. RCIWH's independently keep track of the unique synch code, along with the CCSWH. If the synch codes between the CCSWH and RCIWH's do not match, activation cannot occur. This prevents someone from "recording" an alarm message and playing it back later with the intention of falsely activating the system.

Optional Features and Upgrades

- **Touch Screen Monitor Upgrade**
- **Flat Screen Monitor Upgrade**
- **Laser Jet Printer Upgrade**
- **Pager Interface**
Allows alphanumeric pagers to display emergency information when the system is activated.
- **Weather Station Interface**
Allows the computer to display weather information.
- **Push Button Interfaces**
Allows remote Hardwired and Wireless Push Button Stations to activate the Emergency Notification System.
- **Message Sign Interface**
Allows outdoor facility message signs to display large alphanumeric emergency information when the system is activated.
- **Customized Map**
Displaying the facility and the location of the indoor and outdoor equipment

Ordering and Description Information

Model Number	Order Code	Description
CCSWH	9950	Central Control Station Includes: (1) desk top receiver cabinet, system controller hardware & basic system software, alarm screen touchpad/display, hand held (PTT) microphone, (1) 25 watt UHF or VHF radio, antenna polyphasor, power cord, 12 VDC/7AH battery, Pentium II 350 MHz computer, 17" color monitor, 32X CD ROM, Mouse, Windows 98 or NT, (1) Dot Matrix Printer, RS-232 Serial Port, Cables & Multi-outlet power strip.
CCSWHTS	9951	Same as above, but substitute a Touch Screen Monitor and Software
CCSWH-PORTLT	9952	Mobile Central Control Station Includes: (1) Panasonic Toughbook 48 laptop computer, system controller hardware & basic software, alarm screen touchpad/display, handheld (PTT) microphone, (1) 25 watt UHF or VHF radio, magnetic mount vehicle antenna. The CCSWH-PORT central control station comes with a handle for easy transportation.

**WE SUPPORT AND ENCOURAGE NICET CERTIFICATION
MADE IN THE USA
3 YEAR WARRANTY**

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