

Silent Call Communication

Sidekick



The New Sidekick is a wireless alerting device with built in clock. The unit is intended for persons who are hard of hearing and deaf. The Unit operates in the 418 or 433 Mhz range with the following transmitters:

Transmitter type:	Alarm signal / display
Door Access (dry contact ON/OFF)	Door ICON, LED, Strobe and optional Vibrator
Doorbell (Canada)	Door ICON, LED, Strobe and optional Vibrator
Phone (rear panel connection)	Phone ICON, LED, Strobe and optional Vibrator
Phone (w/cord connection)	Phone ICON, LED, Strobe and optional Vibrator
Phone (acoustic pickup)	Phone ICON, LED, Strobe and optional Vibrator
CO (dry contact ON/OFF)	CO ICON, LED, Strobe and optional Vibrator
CO (acoustic pickup)	CO ICON, LED, Strobe and optional Vibrator
Weather (dry contact ON/OFF)	Weather ICON, LED, Strobe and optional Vibrator
Weather (acoustic pickup)	Weather ICON, LED, Strobe and optional Vibrator
Smoke / Fire (Smoke sensor)	Fire ICON, LED, Strobe and optional Vibrator
Fire (Fire Control Panel)	Fire ICON, LED, Strobe and optional Vibrator
Fire (acoustic pickup)	Fire ICON, LED, Strobe and optional Vibrator
Baby Monitor (acoustic pickup)	Sound ICON, LED, Strobe and optional Vibrator

Front Panel Nomenclature



Mode pushbutton:

The mode pushbutton serves two purposes. During normal operation, the button will cancel any incoming alarm. The mode pushbutton also serves as a SELECTOR button for various operations:

Set Clock Time

Set Clock Alarm Time (provisions made for a second alarm)

Register Transmitter Address

Rear Panel:

The rear panel provides access for POWER and the optional Vibrator. In addition a power ON/OFF switch is located next to the POWER jack. The wireless antenna is also located in the rear of the case.

FEATURES:

Optional Battery back up

Supervisory Fire and Smoke alarms

Low battery alarm indications from remote transmitters

Direct connection phone jack.

Clock

LCD display

115 CANDELLA Strobe light built-in

Setup and Operation:

1. Attach wall mounted power pack to Sidekick, rear panel jack located next to the Power ON/OFF switch.
2. Turn Power ON. The front panel display will show the time 11:59AM . A blue light will be visible from the Strobe lens. The blue light indicates that the unit's AC power is on. An amber light will appear if in battery backup.

SET TIME:

1. Press and release the MODE switch (the large pushbutton located at the lower right hand side on the unit). A red LED will appear on the lower left hand side of the unit indicating that you are in the "ADJUST CLOCK TIME" mode.
2. The small pushbutton located on the upper right hand side of the unit adjusts "MINUTES". Press and release the pushbutton and the minutes will advance.
3. The small pushbutton located below the MINUTES pushbutton controls the hours. Press and release the pushbutton and the Hours will advance

The SET TIME mode will timeout in about 20 seconds and return to Normal Operation

Pressing and releasing the MODE pushbutton six times will also exit the SET TIME mode.

Setup and Operation: Continued

To exit the Time setup mode press and release the MODE button six times to exit.

To SET ALARM CLOCK TIME:

1. Press and release the MODE pushbutton twice.
2. The Green LED will light indicating that you are in the SET ALARM CLOCK TIME mode. The display will show the present Alarm Clock Time setting and a BELL ICON indicating that you are in the alarm clock mode.
3. Press and release the MINUTES and HOURS pushbuttons (Two small pushbuttons located at the upper right hand side of the unit) to adjust the alarm clock time.
4. Once the Alarm Clock Time has been set, press and release the MODE button five times to exit.
5. The third small pushbutton turns the clock alarm on or off by pressing and releasing the button. To turn the ALARM on, press and release the pushbutton, the BELL ICON will appear indicating that the clock ALARM is now active.

To Test: Set the Alarm Clock Time one or two minutes ahead of the Time. Turn the Alarm ON, The BELL ICON will appear. The unit will activate the strobe and optional Vibrator when the alarm time has been reached.

The SET ALARM CLOCK TIME mode will automatically return to the normal operating mode within 20 seconds. Pressing and releasing the MODE pushbutton 5 times will also return the unit to normal operating mode.

To Cancel an Alarm:

The MODE pushbutton serves two functions. In the mode settings the button selects which item you wish to set. The buttons normal operation is to serve as a CANCEL ALARM signal button. To cancel an alarm, press and release the mode button.

6. Once the alarm has ceased, press the MODE button three time or until all the LED's are off returning to normal operation. The Sidekick is now programmed to respond to the transmitter signal.

Setup and Operation: Continued

Registering the transmitter:

All transmitters intended for use with the Sidekick must be registered (programmed) to the Sidekick. Several ONE TIME steps are required.

1. Make sure that all Silent Call transmitters in the area are turned off.
2. Select the transmitter you wish to register with the Sidekick.
3. Located at the rear case is a removable panel. Remove the panel and locate the Switch (DIP SWITCH) on the transmitter.
4. The Switch defines the transmitter's address. Set the switch to the desired address. NOTE: The transmitter must be turned off when adjusting the switch. The switch settings will not take affect until the transmitter power is reapplied.
5. Make sure that the transmitter is in close proximity of the Sidekick,
6. ON the Sidekick perform the following:

A. Press and release the MODE pushbutton until you reach a display that reads "PPP". The PPP stands for program. The Sidekick is now ready to program the next transmitters transmission address into its non-volatile memory.

B. With power applied to the transmitter, press and release the test pushbutton. The Sidekick will shift from the PPP mode to the Alarm mode. The unit will flash its strobe, Turn on the appropriate Alarm LED and display the alarm ICON on its display as verification that the transmitter has now been registered with the Sidekick.

Repeat the above steps for every transmitter with a different address setting.

SUPERVISOR MODE:

The Sidekick is capable of monitoring Silent Call Smoke and Fire transmitters for low battery, out of range, interference from outside sources or failure of the transmitter to communicate with the Sidekick receiver. The MODE is referred to as the SUPERVISOR MODE.

All Silent Call Fire and Smoke transmitters send out a special alarm signal at two minute intervals. The Sidekick will continue to operate in its normal mode provided the unit is receiving the special alarm signals from the Smoke or Fire transmitter. The Sidekick will alert the user if a Smoke or Fire transmitter signal has not been received within a period of 10 minutes. The LCD will display the FIRE ICON plus the CHK ICON. In addition the Fire LED will be turned on.

The Sidekick comes with the SUPERVISOR MODE turned off. To activate the SUPERVISOR MODE perform the following:

1. Press and release the MODE pushbutton 5 time or until the display reads "SUP"
2. Press and release the MINUTE pushbutton. The display will now show the CHK ICON indicating that the Sidekick is now operating in SUPERVISORY MODE.

Setup and Operation: Continued

Monitoring of the Smoke or Fire alarm transmitter signals: (supervisor mode)

The Sidekick will monitor the signal path for all smoke and fire alarm transmitters. Each smoke or fire alarm transmitter transmits a special signal to the Sidekick every two minutes. The Sidekick records the signal and continues with its normal operation. No alarms are exhibited by the Sidekick.

The Sidekick will turn on its CHK and FIRE ICON on the display along with the RED LED indicating that the smoke or fire transmitter signal has not been detected for a period of at least 10 minutes. Several conditions can exist that cause this alarm. They are:

1. Smoke or Fire alarm battery is low
2. The RF wireless transmission path is interfered
3. The unit has been moved or its position changed so that its signal no longer reaches the Sidekick.

Note: Each transmitter must be registered with the Sidekick for proper operation. If not registered, the Sidekick will ignore the transmitter signals.

Low battery sense:

The Silent Call SMOKE, FIRE and Acoustic Transmitters, operating off of battery power have a built in low battery sensor. The transmitters will send out a special low battery signal whenever the low battery condition exists.

The Sidekick upon receiving the signal will display the condition by turning on the units ALARM LED and displaying the ALARM ICON along with the CHK ICON. For example, a smoke sensor battery is low. The smoke sensor sends a signal to the Sidekick about its battery condition. The Sidekick will display the FIRE ICON, the CHK ICON and turn on the FIRE LED. The unit will not turn on the Strobe or Vibrator. The display will continue to show the low battery condition until the problem is resolved. Once resolved, the transmitter will no longer send the low battery alarm.

ALL ERASE:

Provisions are made to erase all registered transmitter addresses. The ALL ERASE function is performed as follows:

1. Power off the Sidekick. (unplug the backup battery if used).
2. Press and hold the MINUTES pushbutton DO NOT RELEASE THE BUTTON.
3. Turn the power back on while holding the MINUTES pushbutton in.
4. Once power is on, release the MINUTES pushbutton.

The all erase function is complete and the unit will now need to re-register its transmitters. The Supervisor MODE is also disabled.

Setup and Operation: Continued

Special Features:

Battery Backup:

An optional 12 Volt Ni-Cad battery is provided. The battery is housed inside the battery compartment located at the rear of the case. The battery compartment door is secured by one screw.

The Ni-Cad battery is intended to keep the Sidekick powered up during a short term power outage. The battery is capable of powering the entire unit including the Strobe light and optional Vibrator. The battery power is sufficient to operate the unit for one hour or with both Strobe and Vibrator operating continuously for a period of 10 minutes or more.

The battery is automatically charged by the Sidekick power supply.

The Sidekick's blue Strobe light shifts to an amber color when the unit is in the BACKUP MODE. A battery ICON will appear on the display indicating the Sidekick's battery condition.

Low battery sense:

The Silent Call SMOKE, FIRE and Acoustic Transmitters, operating off of battery power have a built in low battery sensor. The transmitters will send out a special low battery signal whenever the low battery condition exists.

The Sidekick upon receiving the signal will display the condition by turning on the units ALARM LED and displaying the ALARM ICON along with the CHK ICON. For example, a smoke sensor battery is low. The smoke sensor sends a signal to the Sidekick about its battery condition. The Sidekick will display the FIRE ICON, the CHK ICON and turn on the FIRE LED. The unit will not turn on the Strobe or Vibrator. The display will continue to show the low battery condition until the problem is resolved. Once resolved, the transmitter will no longer send the low battery alarm.

Telephone:

A standard telephone J11 jack is located at the rear of the Sidekick. The Sidekick will show the following alarm form an incoming phone call:

PHONE ICON displayed on LCD screen

PHONE LED is lighted

Strobe light is flashing

Optional Vibrator is pulsing the phone code.

Pressing and releasing the MODE pushbutton will cancel the alarm.

Setup and Operation: Continued

VIBRATOR ALARM CODES:

The optional vibrator attachment is located at the rear panel of the Sidekick.

The vibrator will pulse separate code patterns for each alarm. The Vibrator alarm codes are:

PHONE	GROUPS OF TWO LONG PULSES
SOUND	GROUPS OF THREE SHORT PULSES
DOOR	GROUPS OF TWO SHORT PULSES
CO	
WEATHER	
FIRE	CONTINUOUS SERIES OF SHORT PULSES
ALARM CLOCK	

The Display:

The Liquid crystal display provides ICON's for all of the alarms used by the Sidekick. The display is also back-lighted. The back-light brightness is automatically controlled by the light level in the room. The back-light color is a bluish-green.

Normal Operation:

During normal operation, the Sidekick will display the time. The Strobe light will be blue if operating of AC power.

TRANSMISSION RANGE:

Transmission range refers to the distance a Silent Call Transmitter can communicate with the Sidekick. Range is measured in a free field environment. That is range is measure in an outdoor environment without obstructions from trees, metal objects or buildings. The minimum specified range is 100 feet.

The actual range inside a building will vary depending on many factors outside of one's control.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.