⊗ *Comm Link* ™

Model CFCL10

Owner's Manual

- **Connects OmniShield Products to the Internet**
- **Ethernet and WiFi Compatible**
- **Internal Horn for Audible Feedback**
- **Backlit LED Icons for Signaling**
- **Proprietary Wireless Connectivity**
- **AC Powered, No Batteries Required**
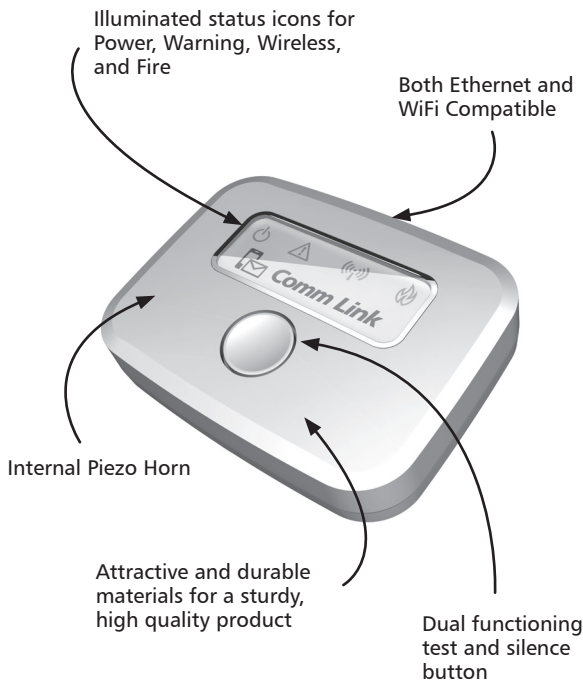
c ⓤ us
LISTED

Assembled in the USA

Table of Contents

ATTENTION - This manual should be read, followed and retained for future reference.

Applied Fire Technologies recommends a combination of early-warning Smoke and CO alarms as well as reliable Heat alarms and Bed Shakers installed in their appropriate locations throughout the home.

About Your New Comm Link

Thank you for purchasing the CFCL10 Comm Link. The Comm Link plays a supplemental role in protecting your family and home from potential hazards. Please carefully read and follow the information in this booklet to ensure that your Comm Link performs at its best.

Illuminated status icons for Power, Warning, Wireless, and Fire

Both Ethernet and WiFi Compatible

Internal Piezo Horn

Attractive and durable materials for a sturdy, high quality product

Dual functioning test and silence button

Contents of Your Kit

Please be sure the following items are included in your kit:

Comm Link

AC Power
Adapter

Ethernet
Cable

Instruction
Manual
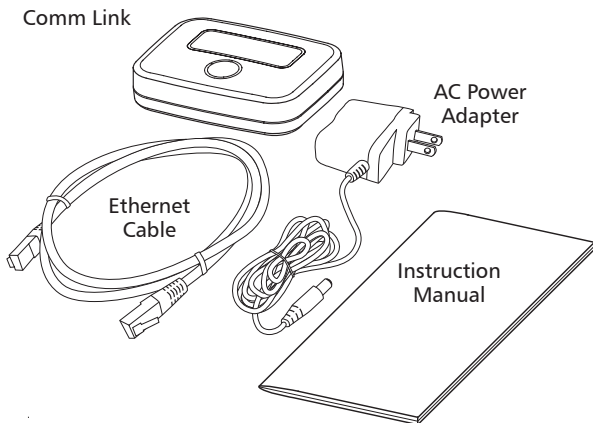
Key Features

- Seamlessly sends all sensor data through the Internet to allow for cell phone monitoring of all devices.

- Both Ethernet (wired) and WiFi Internet connectivity.

- Communicates with all OmniShield devices.

- AC powered, no batteries required.

- Four illuminated icons to easily demonstrate the Comm Link's status.

- Multi-function button to allow for testing and silencing of unwanted network alerts.

- Internal piezo beeper to provide additional feedback to the Comm Link and network statuses.

General Warnings on Remote Notification and the Comm Link

⚠️**WARNING: This device is for remote notification only. It is not a life safety device, and should not be relied upon by occupants for an immediate warning to fire or other hazards.**

⚠️**WARNING: Loss of electrical power or Internet connection will render the unit inoperative**

⚠️**WARNING: While the Comm Link and OmniShield branded products are designed to produce cell phone and Internet based warning messages, many factors can and will affect their ability to do so. Things such as a poor internet connection, poor cell phone reception, cell phones turned off, cell phones out of battery, sensors placed out of range, power outages, etc., will prevent proper messaging.**

⚠️**WARNING: This product is intended for use in ordinary indoor locations of family living units.**

⚠️**WARNING: Radio communication between alarm units may fail to take place if significant changes to the home have occurred since installation and testing. Moving large objects such as a refrigerator or metal cabinet could impede sensor radio performance.**

⚠️**WARNING: Alarm warning signals may not be heard. A deep sleeper, hearing-impaired person, young child or someone impaired by drugs or alcohol may not awaken in response to an alarm activation. This can occur even when an alarm is located inside the individual's bedroom. Be sure emergency exit drills are practiced that take this possibility into account.**

NOTICE: Smoke, CO, Heat Alarms, Water Sensors, Bed Shakers and Comm Links are not substitutes for an adequate homeowner's fire/property insurance policy.

ALARMS AND SENSORS CANNOT GUARANTEE THAT YOU WILL NEVER SUFFER ANY ILLNESS OR INJURY FROM POTENTIAL SAFETY HAZARDS IN THE HOME
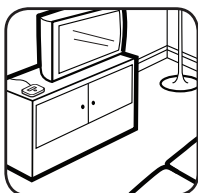
Choosing the Right Internet Connection

Ethernet

With its hardwired connection to the home's router, Ethernet provides the most reliable connection for the Comm Link.

Setting up with Ethernet requires the use of an Ethernet cord. A 3ft. cord is included with the Comm Link. A longer cord may be used if required.
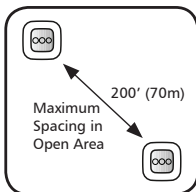
WiFi

WiFi offers the freedom to place the Comm Link in more convenient locations.

It is best to locate the Comm Link as centrally within the home as possible. This will reduce the distance between the Comm Link and any installed sensors. Shorter distances produce better radio communication.

Be sure to fully test the entire OmniShield network after completing installation. It is important that all devices are able to communicate properly with each other and the Comm Link to the Internet.

Acceptable Radio Network Spacing

200' (70m)

Maximum Spacing in Open Area

The sensor-to-sensor radio communicates using radio frequencies between 905.2MHz and 913.2MHz. The range of this radio has been tested to 200 ft (70m) in open area distance testing. The Comm Link's WiFi communicates at 2.4GHz, which produces a shorter range when used indoors.
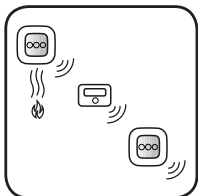
Each sensor will also act as a repeating station during alarm conditions, so any signal received by a device will be rebroadcasted.

After final installation, test all alarms for proper radio inter-connection. Simply press and release the test button of an alarm while having a helper observe the remote alarms.

Setting Up Your New Comm Link

Now that you're familiar with your new Comm Link, let's get started setting up your OmniShield network!

Download the OmniShield App

The OmniShield App is available for free to iOS users at the Apple App Store, or at Google Play for Android users. Search "OmniShield". Open the App.
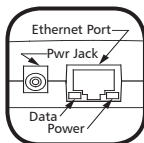
Connect to Power

After selecting the best location for the Comm Link, plug the DC Jack connector into the Comm Link and the AC adapter into the wall outlet.

Select Your Internet Connection

Select the "WiFi" or "Ethernet" button on the App. If Ethernet is selected, plug the provided white cable into the Comm Link and the other end into your Internet router.

The Ethernet port on the back edge of the Comm Link has two LED lights. Data (orange) and Power (green). If your Ethernet cable is properly connected on both ends, the green light will stay lit. If the Ethernet port is receiving proper Internet data, it will flash orange.

Enter Your Serial No. / Security Key

Enter the Serial Number and Security Key found on the label on the back of the Comm Link. The letters in the Security Key must be entered in UPPER CASE.

If you chose the WiFi option, first select your Comm Link's WiFi, then select your home's WiFi network and enter your WiFi password. Be sure to know both before you start (often printed on your home router's label).

OmniShield App Basics

Your OmniShield App is loaded with features that will help keep you informed as to the status of your network's sensors. Below is a description of the four main icons on the App's tab bar located at the bottom of your screen.

Sensors and Device Main Page

This page presents the entire list of sensors, devices and Comm Links that are installed on your OmniShield network. Each device can be selected to display the unit's info page. Each device can be given a custom name to describe its location.

These warning icons can appear to the right of the sensor's name to indicate an alarm condition. The icon will be in color if active, gray if the alarm condition cleared within the last three days.

Home Location and Dealer Info

Enter the street address where the Comm Link is being installed. Add a "System Name". (for example: "Smith Residence" or "Lake House"). All other information is optional.

Contacts

Contacts are the people the network will send a message to if an event occurs. All contacts must have a cell phone number capable of receiving text messages. As an option, a contact's email address may also be included.

The person acting as the primary contact will be required to include an email address.

A maximum of eight contacts are allowed.

Each contact will have the option to select the various types of messages they are to receive. All contacts will receive all emergency notifications.

If a contact responds to a system generated text message, all other listed contacts will receive the response. For example: "Sorry folks...I was just cooking some bacon. All is good".

General App Note: Selecting the 🛈 symbol found throughout the App will produce an Information Box explaining the feature in more detail.

OmniShield App Basics (cont.)

App Settings

The Settings tab allows:
Adding additional Comm Links to the phone/tablet. This allows for the monitoring of multiple OmniShield networks in different homes.

Help -   Viewing of this Owner's Manual through the phone/tablet.

Legal -   Viewing of the Comm Link's Terms of Agreement.

Version – App version number appears at the bottom of the page.

Comm Link Functions

Testing the Comm Link

The Comm Link should be tested monthly to ensure proper operation.

To test the unit, press and release the button on the front face.

All active water sensors on the network will respond with a tone if within range.

Pressing the test button on any sensor on the network will cause a text message to be sent.

Silencing Water Sensors

The CFCL10 is equipped with a silence feature that can remotely silence the water sensors on the network.

The silence feature will only silence remotely triggered sensors. ***The initiating water sensor condition must be resolved to end the alert.***

If during normal operation the unit is triggered, ***and all appropriate precautions are being taken,*** the remote water sensors can be silenced by pressing the button on the front face of the unit. This will cause a text message to be sent.

Comm Link Features

Power On Light (Green)

On the CFCL10, the green POWER icon will remain on once activated, unless other icons are in use.
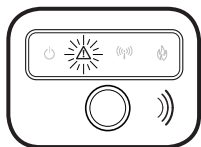
Warning Light (Red)

WARNING will flash rapidly red when a sensor on the network has detected high levels of CO gas. This will be accompanied by the 4-beep sounding of the horn. A text message will be sent.

WARNING will be **solid yellow** and the horn will emit a tone if a Water Sensor on the network has come in contact with water.
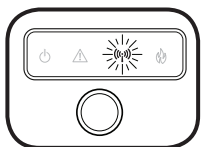
Wireless Light (Blue)

WIRELESS will flash rapidly blue while seeking the home's WiFi network or to indicate that the network is open to accept additional alarms.

WIRELESS will automatically cease to flash 10 minutes after the last alarm has been added to the network or immediately after the button has been pressed.
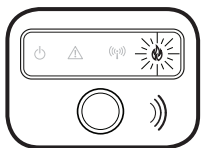
Fire Warning Light (Red)

The FIRE warning light will stay on **continuously** if a sensor on the wireless network detects fire. The horn will also chirp with a 3 tone pattern. A text message will be sent.
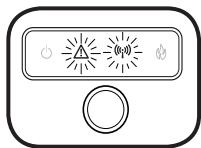
Internet Failure (Alternating)

The WARNING and RADIO warning lights will flash alternately if Internet service is either not found or temporarily lost. If Internet service is down for a significant period of time, a text message will be sent.

Creating Your OmniShield Network

The Comm Link is a key component in the OmniShield Network. Even without a Comm Link all sensors and devices on the network will continue to perform their important tasks, but it is the Comm Link that allows for messages to be sent to your smart devices.

To create the OmniShield Network, first set up the Comm Link as described on Page 7. All sensors must be bound directly to the Comm Link to appear on the Sensors tab of the phone App.

Follow the step-by-step instructions as they appear in the App. When you reach the "Add Sensors" page:
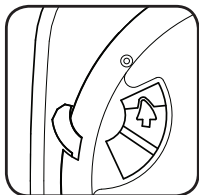
Activate your first sensor by moving the slide switch located on the back side of the unit in the direction indicated by the arrow.

The slide switch will lock into place when fully positioned.

The blue WIRELESS light will flash slowly as sensors are bound to the Comm Link.
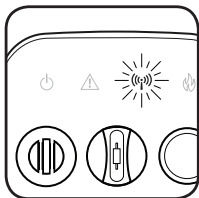
Continue activating each new sensor, one at a time, until all units have been added to the network. This should include smoke, heat, CO alarms, bed shakers and water sensors.

The blue WIRELESS light will remain on for 10 minutes after all units are bound, or until the Comm Link's button has been pressed.
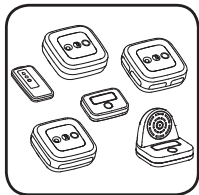
After each sensor has been added to the network, use the Edit button to customize the location name.

Note: See the instruction manual for each sensor type for additional details.

Your OmniShield network is now fully bound together and ready for installation throughout the home!

General Note: The alarm portion of the network is limited to a total of 18 alarms. Only 12 of them may be smoke alarms, and the remaining 6 units can be CO, heat alarms, or bedshakers. Water sensors are not included in this count.
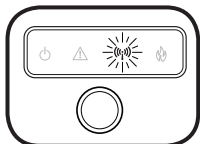
Adding a Sensor to the Network

To add a device to an existing OmniShield Network, perform the following steps.

Step 1 - Press and hold the button on the Comm Link. The FIRE icon will flash red and the horn will sound. Continue holding.

Step 2 - The WARNING icon will begin to flash yellow. Count the yellow flashes.
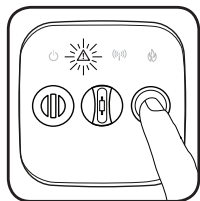
Step 3 - Release the button on the **5th flash**. The blue RADIO icon will begin to flash. This signals that the Comm Link is ready to add new sensors.

Step 4 - Add the new sensors in the same manner as described on page 11.

Step 5 - The new device will appear on the Sensors tab of the OmniShield App.

Removing a Sensor from the Network

In case a device must be removed from your OmniShield network, the network data must be removed from the unit's memory.

Repeat Steps 1 & 2 listed above **on the device to be removed** from the network.

Step 3 - Release the button on the **10th flash**. The alarm will chirp twice and all four icons will strobe briefly on.

All network data has been erased from the sensor. **Delete this sensor from the App.**

Deleting the WiFi Network

Following Steps 1-3 above on the Comm Link, release the button on **15 flashes.** The Comm Link will delete any WiFi network connection/passwords that it has stored. **A new WiFi network or Ethernet connection must be added for the Comm Link to function.**

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Cleaning Your Comm Link

Over time, dust might collect on your Comm Link. To clean the Comm Link, perform the following:
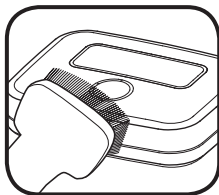
Vacuum the external surface carefully. Wipe with a clean, dry cloth. Do not use cleaners or solvents.

Press and release the Test button on the front face to verify the unit is still functioning properly.

Do not submerge the Comm Link in water. The sensitive electronics will be damaged!

Comm Link Specifications

Operating Voltage	3.3 VDC (from 110VAC)
Operating Ambient Temp	40°F - 100°F
Operating Humidity	10 - 95% Non-condensing
Unit Dimensions	4.0" x 3.0" x 1.0"
Weight	0.25 lbs
Operating Frequencies	905.2MHz - 913.2MHz
WiFi Compatibility	IEEE 802.11b/g/n
Ethernet Compatibility	IEEE 802.3-2015
Listings	cULus / FCC, IC

Complete Home Protection

Applied Fire Technologies recommends complete home fire/safety protection. This can best be achieved by installing a combination of Smoke, CO, Heat alarms, Bed Shakers, Water Senors and a Comm Link in the appropriate locations throughout the home.

- **S** Minimum Required Smoke Alarms
- **CO** Minimum Required CO Alarms
- **H** Recommended Heat Alarms
- ---- Required Interconnections
- **BS** Recommended BedShakers
- **CL** Recommended Comm Link
- **WS** Recommended Water Sensor
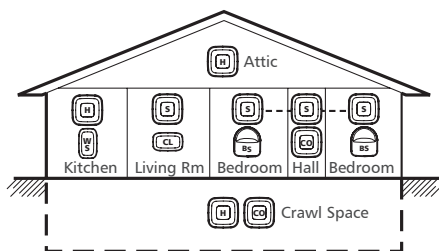
Single Story Homes

Two Story Homes

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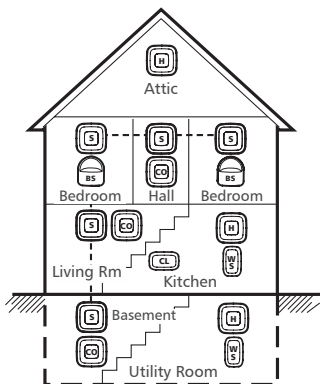
Important Fire and Emergency Safety Information

Plan Your Escape
• Draw a floor plan of your home.
• Show two ways out of each room.
• Discuss escape routes with everyone in your home.
• Agree on an outside meeting place where you will gather after escaping.

Be Prepared
• Familiarize every member of the household with the sound of the smoke, CO and heat alarms.
• Instruct each person to call 911 from outside the home.
• Teach everyone how to unlock and open all windows.
• Make sure security bars have quick-release devices.
• Keep exits clear and free from furniture and clutter.

Practice!
• Hold home fire/emergency drills at least twice a year.
• Make fire drills realistic by pretending some escape paths are blocked by smoke or fire.

If you live in an apartment building
• Learn and practice your building's evacuation plan.
• If you hear a fire or CO alarm, react immediately.
• Know the location of all building exits and fire alarm boxes.
• Use the stairs ... never use an elevator during a fire.
• If exits are locked or blocked, report the problem to your building's management.

Escape Tips
• Close doors behind you as you escape to slow the spread of fire and smoke.
• If you have to escape through smoke, crawl on your hands and knees, keeping your head one to two feet above the floor, where the air will be clearest.
• Test the doorknob and spaces around the door with the back of your hand. If the door is warm, try another escape route. If the door is cool, open it slowly. Close it quickly if smoke pours through.
• Once you have escaped from a fire, do not go back inside for any reason.

FCC Compliance and IC Notice:

This device complies with part 15 of the FCC Rules. This device complies with Industry Canada licence-exempt RSS standard(s). 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.

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 this equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

(1) Reorient or relocate the units. (2) Increase the separation between the equipment and receiver. (3) Connect the equipment into a different circuit from that to which the receiver is connected. (4) Consult the dealer or an experienced technician for help.

FCC Caution and IC Caution: Any Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Les changements ou modifications non approuvés expressément par la partie responsable de la conformité pourrait annuler l'autorité de l'utilisateur à faire fonctionner l'équipement.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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Lifetime Fire Replacement Policy

The Comm Link manufacturer guarantees to replace at no cost to the original owner any Comm Link that has been materially damaged or destroyed by an accidental fire. To obtain a replacement alarm under this Lifetime Fire Replacement Guarantee, you must return the damaged or destroyed Comm Link to the manufacturer within 90 days of the fire, accompanied by a complete activation report and verification report from the applicable fire department. To obtain a replacement under this guarantee, contact the manufacturer at Applied Fire Technologies LLC, 825 W. Sandy Lake Rd., Ste. 190, Coppell, TX 75019 USA or at (972) 304-3923 to receive information as to the address to which you should send your damaged or destroyed Comm Link and accompanying information.

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