Honeywell

HW-LTE-M-EN54

CLSS Pathway

Quick Start Guide

The CLSS Pathway (HW-LTE-M-EN54) is a sole path communicator leveraging redundant cell carriers (dual-SIM, each of them supporting multiple operators per country) or a dual-path cellular communicator using IP as the primary path and redundant cellular carriers as the secondary path.

The communicator is powered from the FACP using 12-29-volts DC, or an external EN 54 listed power supply.

The communicator supports Relay contact-based events from the FACP to the monitoring station and CLSS. The communicator supports 6 dry contact relay inputs for event reporting and 1 relay output for communication path supervision. Refer to Figure 1, "Wiring Diagram" for wiring details.

1 Information Sources

For more detailed procedures and all configuration options: Refer to *Installation and Operations Manual* (LS10408-000HW-E).

To access the most updated versions of all product documentation, log on to CLSS Site Manager (fire.honeywell.com) and access the help section. Instructions for obtaining a CLSS account are in Section 2, "Receiving A CLSS Account For Your Organization"

2 Receiving A CLSS Account For Your Organization

Configuring the CLSS Pathway requires a CLSS account. If you already have the CLSS account, then proceed to Section 3, "Installing and Assigning the Device to a Customer".
To request a CLSS Account, please visit fire.honeywell.com or scan the QR code below for instructions to request a CLSS Account:

Your organizations Administrator should perform this activity. An Administrator is someone who can sign on behalf of the organization.

After receiving your CLSS account, add your *Customers* and *Employees* in the *CLSS Site Manager*. Please refer to the help section of CLSS Site Manager for more information.

NOTE: Be sure the CLSS Administrator adds additional employees using CLSS Site Manager vs. requesting individual accounts using "Request Access"

3 Installing and Assigning the Device to a Customer

3.1 Adding a Central Station to your CLSS Account (Only Required for Central Station Monitoring)

This step must be completed by the organization's Administrator. This is a one-time task for each central station.

1. Log in to the *CLSS Site Manager*.
2. Click your profile icon Ⓐ at the top right corner and select **External Accounts.**
3. Click **Add New** in the in the **External Accounts** page, under **Central Stations** section.
4. Follow the on-screen instructions.

3.2 Install Pathway Using Mobile App

This step is required to associate your device with a CLSS *Site* and *Building* for your *Customer*.

1. Install CLSS mobile App on your Android or iOS device from respective app store.
2. Login to the *CLSS* mobile App.
3. Tap the three dots at the top-right corner of the dashboard and then click **Install Communicator > Install Pathway**.
4. Follow the on-screen instructions.
   NOTE: Install Pathway workflow is also available through the CLSS Site Manager under Feature Activation section (fire.honeywell.com)

4 Mounting The Communicator

4.1 Warnings

- Before mounting and wiring, ensure the panel is powered down.
- Only a regulated EN-Listed control panel or power supply should power the communicator.
- The communicator must be connected to a EN-Listed compatible panel with power limited circuits.
- Install the communicator in a dry, indoor location only.

4.2 To Mount the Communicator

Mount the communicator and wire the connections as shown in Figure 1, "Wiring Diagram".

1. Check that you have the communicator, 3ft antenna, and this *Quick Start Guide* from the carton box.
2. In this Quick Start Guide, locate the installation sticker in Section 10, "Serial Number and Configuration Key". It is at the bottom right of the last page.
   NOTE: Serial Number and Configuration Key are also available on the stickers located on the back of the communicator.

5 Installing the Antenna

The antenna comes with an SMA connector, which provides easy connection with the communicator.

5.1 Important

- Do not use a damaged antenna with the communicator. Replace the damaged antenna immediately.
- Use only a manufacturer approved antenna. Non-approved antennas or modifications could impair service quality and damage the device.
- A location below the ground level or a metal structure may impact the network coverage.
- The antenna should be position perpendicularly to the ground, either right side up or upside down.
- Keep the antenna away from any sources interfering with or blocking the RF signal.
- For example, a metal object may shield the cellular radio RF signal.
- The antenna should be at least 7.8" (20 cm) away from people.
- The antenna must not be co-located or operating with any other antenna or transmitter.
- Ensure the panel supplies 12-29V DC power from its constant power output.

5.2 To Connect the Antenna

1. Locate the antenna connector on top of the communicator.
2. Thread the antenna cable end onto the antenna connector and tighten it.

6 Powering On

1. Power ON the communicator and the panel.
2. Ensure that the panel and communicator are receiving required power.

7 Activating the CLSS Pathway

A panel event activates the CLSS Pathway communications. Create a test event and check that the device is activated.

Document: LS10339-000HW-E:00 8/6/2024 ECN: 00051811

8 Verifying Connections

The Green LED is:	Indication:	Suggested Steps:
Constantly ON	Connected with good signal strength	None
Fast Flashing	Transferring data	None
Slow Flashing	Attempting connection despite signal issues	Reposition the antenna.
Flashing every five seconds	Connected despite weak signal strength	Reposition the antenna
Off	Communicator is not connected to the panel	Verify wiring is as per the wiring diagram
	No power from the panel	Measure and ensure required AUX output from the panel
	Damaged communicator	Replace the communicator.

8.1 Connection Troubleshooting

If no events are received: Verify relay connections then check for trouble messages at the panel and fix the trouble, if any. Using the CLSS Mobile App or Site manager, delete and reinstall the Pathway communicator.

Cellular connectivity issues: Go to the Device Registration screen on the CLSS App. Ensure that the signal strength shown on it is at least one to two bars. Reposition to antenna for higher signal strength.

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Operational Requirements	
Supply Voltage	+12V to +29V DC
Current	Standby: 60mA Peak 200 mA
Frequency	LTE-CAT-M1 700/ 850/1700/1900 MHz
GSM Providers	Multiple cellular operators per country
Physical Characteristics	
Dimensions	63 x 90 x 32 mm
Weight	100g without antenna
Room Conditions	
Temperature	0 to 49 C (32 F to 120F)
Relative Humidity	0% to 85% | non condensing

LTE Cat-M1 is a category of 4G long-term evolution (LTE) technology for machines (M). LTE-M is an abbreviated name for LTE Cat-M1.

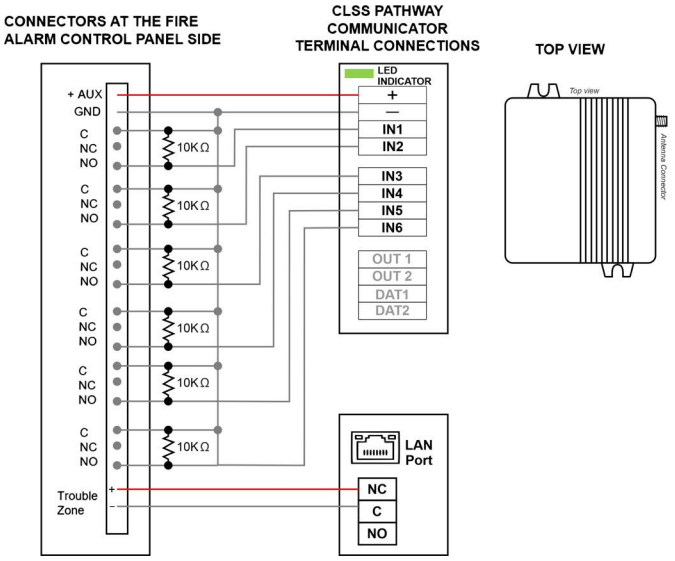


Figure 1 Wiring Diagram

Terminal Connection	Description
(+)	Connect to AUX+ 12 or 29V of the panel
(-)	Connect to the AUX-(GND) of the panel
IN1	Connect to a Trouble Relay Output
IN2	Connect to a Fire Alarm Relay Output
IN3	Connect to a Waterflow Alarm Relay Output
IN4	Connect to a Supervision Alarm Relay Output
IN5	Connect to a Fire Alarm Relay Output
IN6	Connect to a Fire Alarm Relay Output
NC, C, & NO	Connect to a Trouble Zone Input (Preconfigured to activate when the device goes offline)

9 Agency Listing

EN 54-21:2006 Fire detection and fire alarm systems - Part 21 unit meets the requirements for Grade 4, DP4, SP5

10 Serial Number and Configuration Key

Sticker below will be used during CLSS communicator programming and for future reference..

Honeywell International Inc.
Contact your local CLSS Tech Support email or
ConnectedBuildingSupport@Honeywell.com

LS10339-000HW-E | 00 | 8-24
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