AVIRE
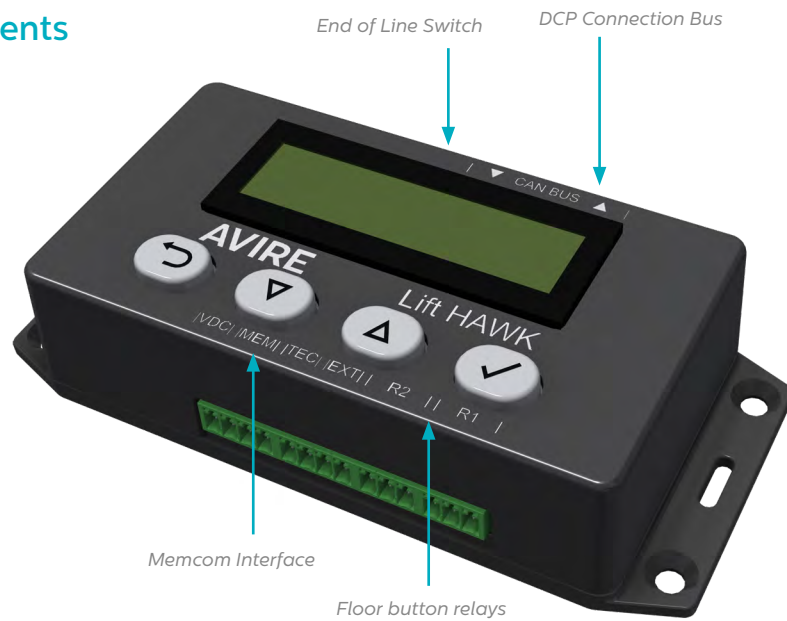
Lift HAWK

Installation Guide
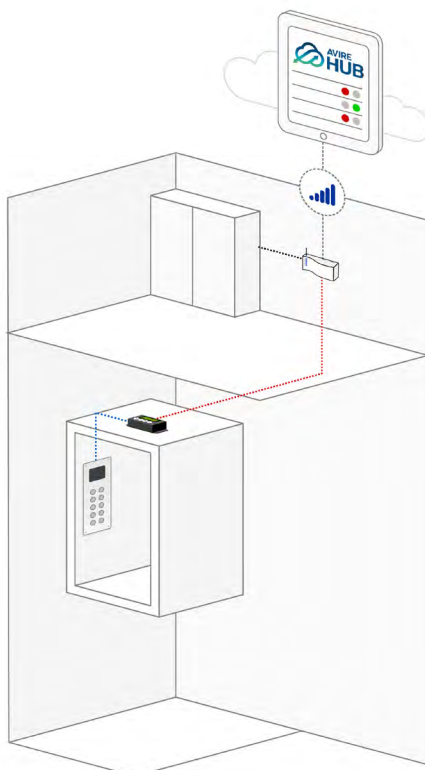
Ref no MC-AMT00 850ML Version 2 (GB)

Part No: AC-AMT00-100-0-C0-000
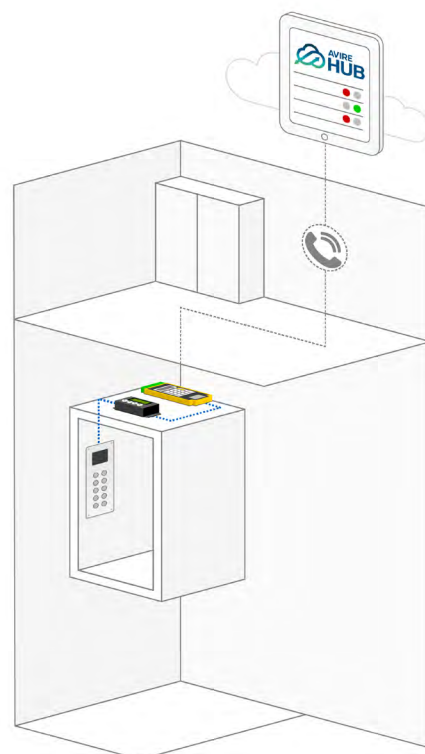
System Components

End of Line Switch

DCP Connection Bus

Memcom Interface

Floor button relays

Lift HAWK and DCP (Cellular Platform)

Lift HAWK and Memcom+

Installation

TOC – Top of Car Install

1. Using the screws provided the HAWK must be installed on top of the lift car (TOC).
2. Connect R1 & R2 to the wires of the floor buttons, refer to the wiring diagram on page 4 for an example installation.
3. Connect the device to the relevant connections based on your communication device eg. DCP or Memcom+

NOTE: This will be different depending on the phone system installed.

Dimensions

126.00
[4.961]

42.00
[1.654]

113.82
[4.481]

(M3.5 - M4.5)
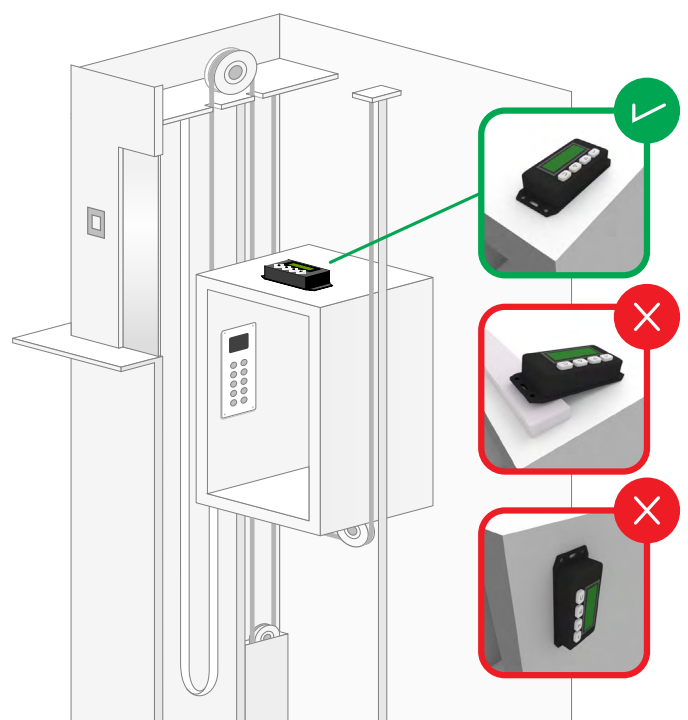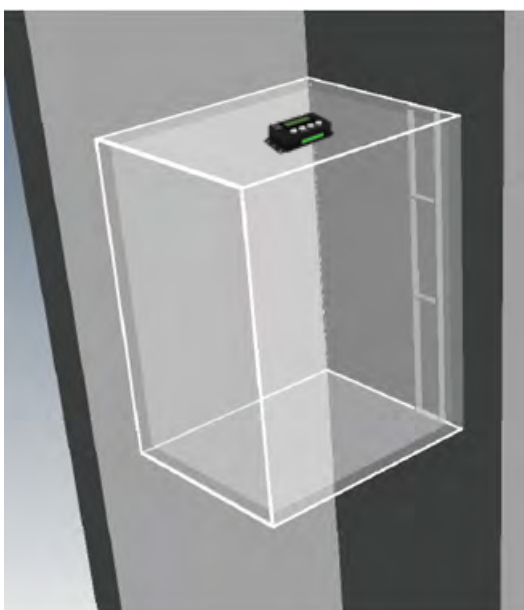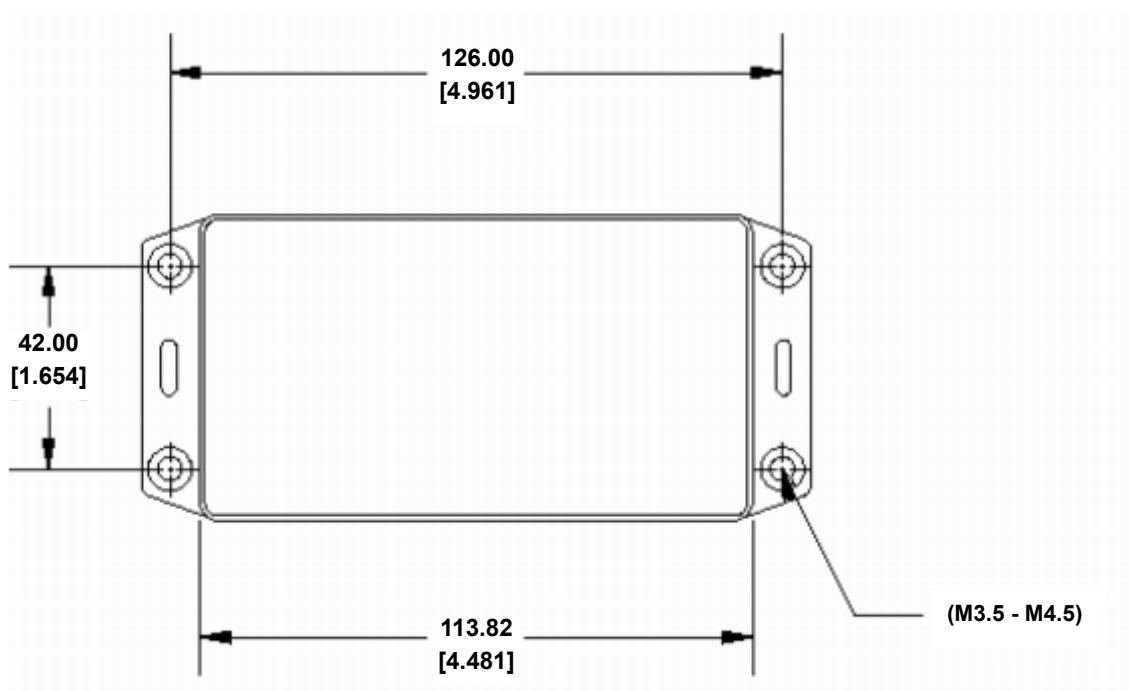
Installation of the Lift Hawk when used with a Digital Communication Platform (DCP System)

Wiring Diagram

GND | CAN L | CAN H | +VDC | GND | CAN L | CAN H | +VDC
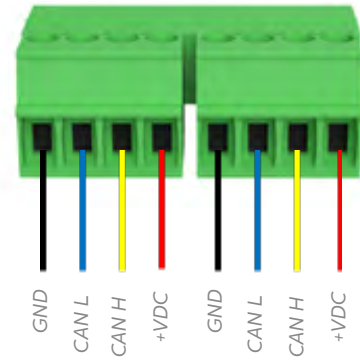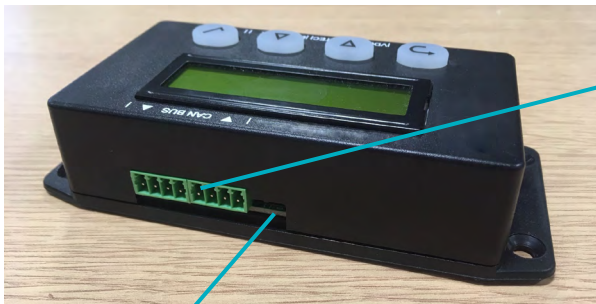
End of Line

If using the HAWK as the End of Line device, switch the device to EOL by switching the EOL switch left. The switch is located adjacent to the CAN BUS.

CAN END OF LINE			
✔	✔		■
✔	✘	■	

DCP

Machine Room / Elevator Shaft

Lift Hawk

Top of Elevator Car (TOC)

CAN

R2 R1

② ---------------------------- Car Operating Panel

① ----------------------------------- (COP)
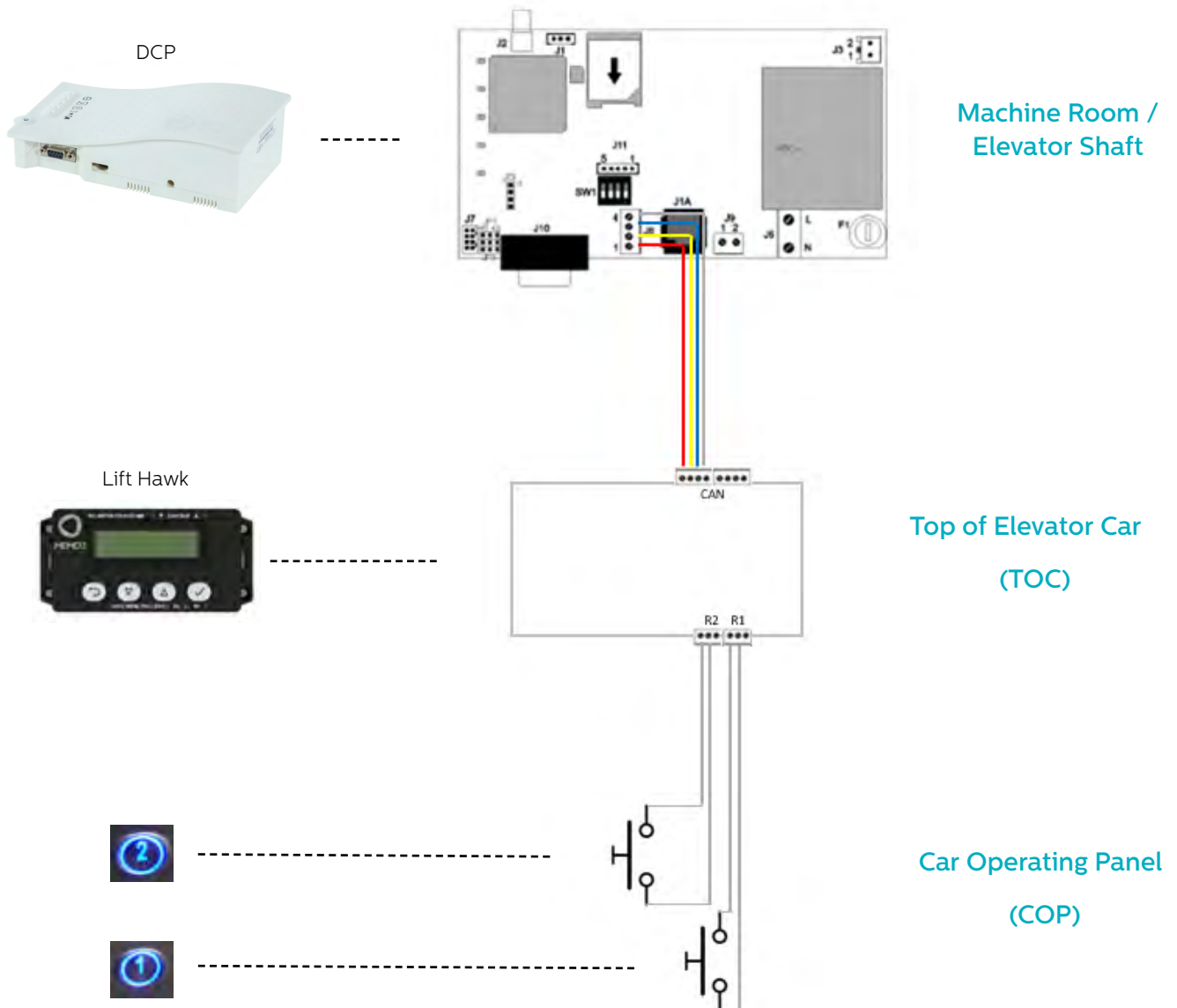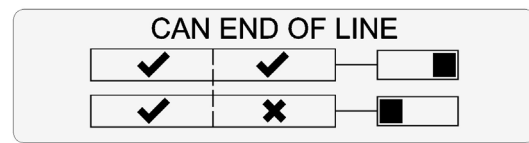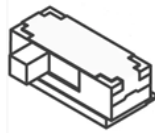
Installation of Lift Hawk when used with a Memcom⁺

Wiring Diagram

R2   R1

1	12-24V DC
2	0V DC
3	Memcom Siren Relay
4	Memcom Siren Relay
5	Common / Tech Input 1
6	Lift Status / Tech Input 1
7	Ext Sensor Common
8	Ext Sensor Input
9	R2 N/O
10	R2 COM
11	R2 N/C
12	R1 N/O
13	R1 COM
14	R1 N/C

Door Button Wiring Example

Wire lift hawk NC & COM relay in parallel with lift floor buttons, 2 relays are provided for 2 floor call buttons

NOTE: Buttons connections may vary from each manufacturer. The connection provided is a dry contact relay.

Wiring diagram
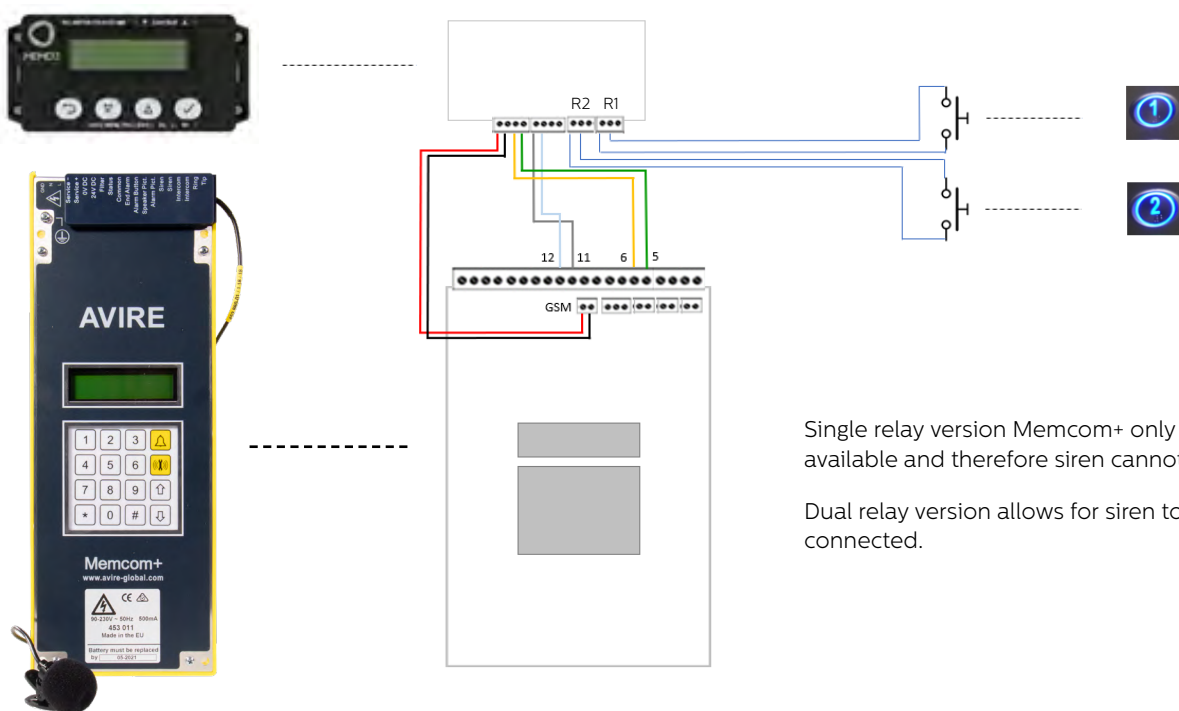
Single relay version Memcom+ only one relay available and therefore siren cannot be used.

Dual relay version allows for siren to also be connected.

Settings required for Memcom+

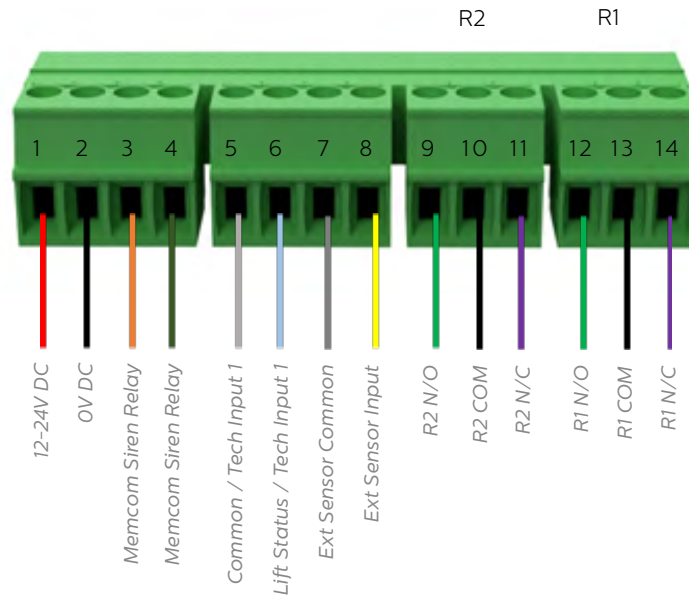| Item	Setting	Guide
Tech Number	Site Specific / Avire HUB number	Tel Numbers – Tech No –– (Tel Number / Avire HUB number)
Tech IP 1 Delay	1	Delays – Tech IP –– (1)
Relay 1 Override	Open	Advanced – Relay Override –– 1 (Open)

Quick Start

Menu Controls

Quick Start Menu Process

↩   Back

⇧   Scroll Up

⇩   Scroll Down

✔   Forward / Accept

Step 1	Clock Setup	Using the menu system navigate to the clock menu. 1. From the home screen press the ✔ Symbol. 2. Scroll down through the menus to 'Clock Setup' and press ✔
Step 2	Clock Adjust	Adjust the current time/day to the current. 1. Press the ✔ Symbol to enter Set Time Menu 2. Use arrows and ✔ set the correct time. 3. Press Back button to exit and save
Step 3	Setup	The device is configured to use Remote Access and Autonomous Self-Learning mode on a Medium Setting. If no further settings are required then the device is ready to go. Proceed to test the device via a remote call.

The device is shipped in plug and play mode, if no additional settings are needed other than Remote access and Autonomous self-testing the device works out of box after setting time and date.

Digital Communication Platform

If the HAWK is connected to the Digital Communications Platform (DCP), A remote test is triggered via the AVIRE HUB system, this allows the user to activate a remote test whilst also receiving live status updates from the lift.

Using the AVIRE HUB software, providing the device is connected to the Digital Communications Platform (DCP). users can fully program the device from the HUB interface.

Users are also able to receive live status updates and previous movement time from the HUB interface.

Full Programming Options

Modes On/Off		
	Remote Mode	------------- Remote Access Mode On/Off
	Timed Mode	------------- Countdown Timer Mode On/Off
	Autonomous	------------- Autonomous Self Learning Mode On/Off
	Ext Sensor	------------- External Sensor Monitor On/Off
	Blocked Times	------------- Tests Blocked Mode On/Off
	Required Time	------------- Repeated Test Mode On/Off
Mode Setup		
	Timer Setup	------------- Countdown Mode Timer Select
	Sensitivity	------------- Auto/Self Learning Mode Sensitivity
	Blocked Times	------------- No tests allowed Time Set up
	Required Time	------------- Weekly Day and Time Set up
	Min. Interval	------------- Min. Interval between tests
Clock Setup		
	Set Time	------------- Set the Clock
CAN Setup		
	Shaft Number	------------- Set the shaft number 1–4 (DCP)
	Node Number	------------- Set the node Number 0–3 (DCP)
	ERC Mode	------------- CAN test results codes sent
Advanced		
	Hardware Number	------------- Shows hardware number
	Firmware Version	------------- Shows firmware Version
	ID Code	------------- Serial Number
	Device State	------------- Accelerometer state
	Door State	------------- External Sensor State
	Re-Calibrate	------------- Re-calibrate accelerometer

Modes

Remote Mode

Remote Access mode allows the user to trigger a Remote elevator test utilising either a DCP or. Memcom+.

Timed Mode

Timed Countdown mode is used to measure the dwell time of the elevator, if the dwell time of the elevator reaches the specified time as set by the user, the elevator will then run an automated test.

Countdown Timer
24 Hours
12 Hours
8 Hours
4 Hours
2 Hours
1 Hour
30 Minutes
Test Mode – 60 seconds

Test Option

The test mode is available to test the functionality of the timed mode on install, this setting can be used to test the device setup, the interface with the elevator buttons as well as the emergency phone system. The test will run after 60 seconds of inactivity on the elevator.

Modes Cont.

Autonomous Mode

Autonomous mode means that the device can be installed as a "fit and forget" solution and will send an alert to the Avire Hub if issues occur. This mode self learns periods of activity and tests the lift depending on the average usual usage of the lift. If the lift is not active when it usually should be busy the device will assume a fault with the elevator and will run an automated test of the elevator.

Autonomous mode features 3 sensitivity's, Low – High, Low sensitivity and Medium sensitivity only test the elevator if it is inactive during usually busy periods, High sensitivity will anticipate busy periods and test the elevator before a busy period to confirm activity. Note High sensitivity will also test the lift if a perceived fault is present as Medium sensitivity does.

Blocked Time Period Mode

Blocked Time Period mode means that the device can not be tested during the selected time. This mode overwrites all other modes and the lift will not be tested even if Lift Hawk is notices that the lift is inactive in the period that is usually busy.

Required Time Mode

Required Time mode means that the device can be configured to perform tests at specific day and time, and will send an alert to the Avire Hub if issues occur. This mode can be configured by the user and allows to choose days in the week and set specific time for the test. The test can be performed once a day only, as an example, user can set the device to do test on Monday, Wednesday, Friday every week at 5 in the morning or set to have daily tests at any specific time of the day.

Triggering Remote Test

Memcom System

To trigger a remote call when wired to a Memcom Emergency Phone System the following steps should be used.

Step	Action	Description
Step 1.	Phone your Memcom number	Phone number site specific
Step 2.	Enter Menu	Default : *1234#
Step 3.	Trigger Lift Test	*822#
Step 4.	Turn Trigger Off	*821#
Step 5.	Exit Menu	*01#

The remote test is now active, if there is a no motion detected from your remote test, a fault call will be placed back to the Technical Fault call number specified in your Memcom⁺ Emergency Telephone Settings.

Technical Support

If you require any further assistance when programming the HAWK unit, please call our Technical Service Team.

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