



## Features

- Three initiation circuits as standard
- Any single zone or any combinations of zones can be configured to release
- Configurable first stage NAC delays
- Configurable detection delays
- Zero time delay upon manual release option
- Compatible with I.S. barriers
- Non-latching zone input option to receive signals from other systems such as aspirating equipment
- Configurable releasing delays up to 60 sec in 5 sec steps
- Configurable releasing duration up to 5 min. in 5 sec steps
- Countdown timer shows time remaining until release
- Supports up to seven, four wire status indicators
- Built in Extract Fan control

## Description

Designed and manufactured to the highest standards in a quality controlled environment and with UL and FM approvals, the LIFECO HAWK releasing panel offers outstanding value and performance for all small to medium fixed firefighting installations.

With three initiation circuits as standard, release can be configured to activate from any combination of detection zone inputs to allow (among other combinations) any two from three type activations such as would be required for detection in ceiling void, room and floor void applications.

The extensive configuration options of the LIFECO HAWK allow the functionality of the system to be extensively modified. It contains a large LED display to enable easy configuration and control it also displays the time remaining until release for added user safety. The countdown timer is duplicated on up to seven remote status units to provide local indication of the system status. With all of the electronics mounted on a single, easily removable, steel plate LIFECO HAWK panels are both robust and easy to install.

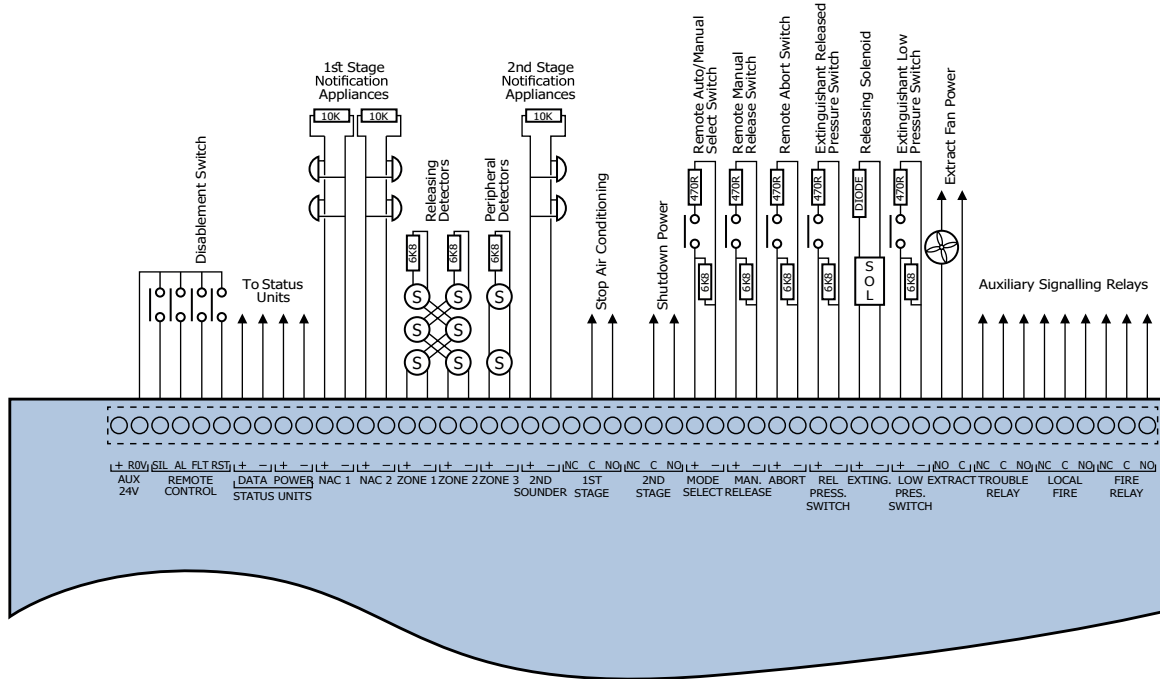
## Technical Specification

<b>Mains supply:</b> 115V AC or 230V AC (50/60 Hz)	<b>Terminal capacity:</b> 12 AWG
<b>Mains supply fuse:</b> 1.6A 250V	<b>Detection circuit end of line:</b> 6K8 5% ½ Watt resistor
<b>Finish:</b> Epoxy powder coated	<b>Supervised input end of line:</b> 6K8 5% ½ Watt resistor
<b>Color:</b> Red	<b>Sounder circuit end of line:</b> 10K 5% ¼ Watt resistor
<b>Power supply rating:</b> 3 Amps total including battery charge 28V +/- 2V	<b>Extinguishant output EOL:</b> 1N4004 Diode
<b>Maximum ripple voltage:</b> 200 millivolts	<b>No. of detection circuits:</b> 3
<b>Battery type:</b> Two 12 Volt 7Ah sealed lead acid in series	<b>No. of sounder circuits:</b> 2 x 1st Stage, 1 x 2nd Stage
<b>Battery charge voltage:</b> 27.6VDC nominal (temperature compensated)	<b>Extinguishant release output:</b> Rated at 1 Amp
<b>Battery charge current:</b> 0.7A maximum	<b>Extinguishant release delay:</b> Adjustable 0 to 60 seconds (in 5 second steps)
<b>Battery fuse:</b> 20mm, 3.0 A glass Slow-blow	<b>Zone quiescent current:</b> 2mA maximum
<b>Maximum current draw from batteries:</b> 3 Amps	<b>Extinguishant release duration:</b> Adjustable 60 to 300 seconds (in 5 second steps)
<b>Quiescent current of panel in mains fall:</b> 0.095A	<b>Normal Zone Impedance (EOL):</b> 6.8K
<b>Aux 24V output:</b> Fused at 500mA with electronic fuse	<b>Detector Alarm Impedance:</b> 470 Ohm
<b>NAC outputs:</b> 24V Fused at 500mA with electronic fuse	<b>Pull Station Alarm Impedance:</b> 270 Ohm
<b>Trouble relay contact rating:</b> 30VDC 1A Amp maximum	<b>Short circuit threshold:</b> Short circuit Impedance 99 Ohms
<b>Fire relay contact rating:</b> 30VDC 1A Amp maximum	<b>Supervised Inputs Normal Impedance (EOL):</b> 6.8K
<b>Local Fire relay contact rating:</b> 30VDC 1A Amp maximum	<b>Supervised Inputs Alarm Impedance:</b> 470 Ohm
<b>First stage contact rating:</b> 30VDC 1A Amp maximum	<b>Supervised inputs Short circuit threshold:</b> 99 Ohms
<b>Second stage contact rating:</b> 30VDC 1A Amp maximum	<b>Status unit/Ancillary board connection:</b> Two wire RS485 connection
<b>Extract contact rating:</b> 30VDC 1A Amp	<b>Status unit power output:</b> Rated at 500mA with electronic fuse

## Ordering Information

Part No.	Description	Dimension (mm)
LF1810-12	Surface mounting panel - Red 115V	368 x 310 x 90
LF1810-13	Surface mounting panel - Red 230V	368 x 310 x 90

## Connection Diagram



## LIFECO Hawk Compatible Devices

Model	Description	Max
<b>Panel Accessories</b>		
LF1821-11/-14	Status Indicator	7
LF1822-10	Ancillary PCB	7
LF1832-10	Manual Disabling Switch	1
<b>Detectors</b>		
LE-SLR-24H	Photoelectric Smoke Detector w/ Heat	20 per zone
SLR-835-BH	Direct Wire	20 per zone
LE-SLV-24V/-24N	Photoelectric Smoke Detector	20 per zone
LE-SOC-24V/24VN	Photoelectric Smoke Detector	20 per zone
LE-DCD-135	135° Fixed Temperature Rate of Rise Heat Detector	20 per zone
LE-DCD-190	190° Fixed Temperature Rate of Rise Heat Detector	20 per zone
<b>Bases</b>		
NS6-220	6" Base, 93mA draw, 24V	20
NS4-220	4" Base, 93mA draw, 24V	20
<b>Pull Station/Abort Switch</b>		
LE-HPS-DAH	Conventional Manual Pull Station for Fire Suppression Release	Unlimited
LF1823-10	Abort Switch	Unlimited