

### Description

The Discovery UL Open-Area Sounder Visual Notification Device is an alarm device made up of a sounder, visual indicator and short-circuit isolator. It is used to provide audible and visual warning of fire and is controlled by the fire control panel.

### The Right Tone for Your Installation

The Discovery UL Open-Area Sounder Visual Notification Device offers a choice of 15 evacuation tones, including the standard Apollo evacuation tone. One of these tones is selected during commissioning in order to suit local regulations or customs.

Whichever evacuation tone is selected, there is a secondary tone which may be used for alerting or warning of a possible evacuation.

### The Right Level of Sound

The sounder is set during commissioning to one of seven levels of sound.

### Technical Data

All data is supplied subject to change without notice. Specifications are typical at 24 V, 73°F and 50% RH unless otherwise stated.

Supply Voltage	17-28 V dc
Modulation Voltage	5-9 V peak to peak
Digital Communication	Discovery, (XP95A and CoreProtocol Compatible)

### Maximum Loop Current Consumption at 24V DC

Normal Standby	< 750 $\mu$ A
Switch on Surge Current	< 2.6 mA for one second
Sounder Operating	Variable
Operating Temperature	32°F to 100°F (0°C to 38°C)
Humidity (no condensation or icing)	10%-93%RH (no condensation or icing)
Designed to IP Rating	IP65
Standards and Approvals	UL, CSFM
Dimensions	3.85 in. (98 mm) diameter x 4.09 in. (104 mm) high
Weight	3.70 oz. (105 g)
Material	Flame retardant polycarbonate

### Sounder, Visual Indicator or Both

The Discovery UL Open-Area Sounder Visual Notification Device normally switches both sounder and visual indicator to provide an alert or evacuation signal. There might be instances where a flash or a sounder may not be permitted. It is a simple choice as to whether to switch both sounder and visual indicator together or switch either as necessary.

- Document # DS-58000-1.0
- Copyright © 2021 Harding Instruments Co. Ltd.
- All Specifications are subject to change without notice
- Printed in Canada



### Features

- 15 evacuation tones + 15 secondary or alert tones
- Seven volume levels
- Alarm switching by individual device, of all devices on the loop
- Independent control of sounder and beacon
- Set-up and testing of devices at point of installation
- Isolator status information
- Sounder automatically silences after 20 minutes (optional)
- Class change bell tone

### Ordering

- 58000-11 (Red)
- 58000-12 (White)

### Listing

- UL Standard
- California State Fire Marshal (CSFM)



9564 Yellowhead Trail NW  
Edmonton, Alberta, T5G 0W4  
sales@harding-tech.com

Tel 780.462.7100  
Fax 780.450.8396  
www.harding-tech.com



Represented by:



# Open Area Sounder Visual Notification Device

## Discovery UL 58000 Series

### Devices

#### Location Specific Volume Setting

Detectors and sounder visual indicators are installed in many different types of environment. When configuring the Discovery UL Open-Area Sounder Visual Notification Device, the adjustment can be done at the point of installation.

The commissioning engineer simply sets the control panel to “Set-up’ and then walks from one device to the next to set the required volume, using a magnetic wand. When all devices have been set the engineer simply presses a button on the control panel which then registers all the individual volume settings.

The Discovery UL Sounder Visual Notification Device offers a choice of 15 evacuation tones, including the standard Apollo evacuation tone. One of these tones is selected during commissioning in order to suit local regulation or customs.

The tones include those required by UK, Dutch, Swedish, German, Australian, New Zealand and North America standards.

Whichever evacuation tones is selected there is secondary tone which may be used for alerting or warning of a possible evacuation

In many installations a fire alarm must be raised by switching more than one sounder visual indicator to alert or alarm simultaneously. This is achieved with the Sounder Visual Notification Device by assigning devices to groups on commissioning with the group information being stored in each device. One command will then switch on all the devices in the group.

#### **Tone Setting**

Byte Value	Primary Tone		Tone Number	Secondary Tone		Tone Number
1	Apollo Evacuation Tone	567 Hz for 0.5 seconds 850 Hz for 0.5 seconds	T1	Apollo Alert	1 second off, 1 second 850 Hz	T0
2	Alternating – Hochiki and Fulleon	925 Hz for 0.25 seconds 626 Hz for 0.25 seconds	T12	Continuous Hochiki and Fulleon	925 Hz	T11
3	Medium Sweep	800 Hz to 970 Hz at 1 Hz	T14	Continuous	970 Hz	T13
4	Fast Sweep	2500 Hz – 2850 Hz at 9 Hz	T16	Continuous	2850 Hz	T15
5	Dutch Slow Whoop - sweep	500 Hz to 1200 Hz for 3.5 sec, 0.5 sec off	T3	Continuous	850 Hz	T2
6	DIN Tone - sweep	1200 to 500 Hz for 1 sec	T4	Continuous	850 Hz	T2
7	Swedish Fire Tone	660 Hz, 150 ms on 150 ms off	T18	Swedish all clear signal - continuous	600 Hz	T17
8	Australia – fast rise sweep	3 x (500 Hz for 1200 Hz for 3.75 sec, 0.25 sec off)	T6	Australia Alert Tone	420 Hz, 0.625 sec, 0.625 sec off	T5
9	New Zealand – slow rise sweep	500 Hz – 1200 Hz for 3.75 sec, 0.25 sec off	T7	New Zealand Alert Tone	420 Hz, 0.625 sec, 0.625 sec	T5
10	US Temporal LF ISO8201*	3 x (970 Hz, 0.5 sec on, 0.5 sec off) 1 sec off	T19	Continuous	970 Hz	T13
11	US Temporal HF ISO8201*	3 x (2850 Hz, 0.5 sec on 0.5 sec off) 1 sec off	T20	Continuous		T15
12	Simulated Bell – Continuous	Continuous	T8	Simulated Bell - Intermittent	1 second on, 1 second tone	T9
13	Emergency Warning Siren	N/A	T10	Emergency warning – All Clear	N/A	T10
14	Evacuation Tone	970 Hz Continuous	T13	Alert Tone	Silence for 1 Sec, 970 Hz for 1 Sec	T19
15	Apollo Evacuation Tone	567 Hz for 0.5 sec, 850 Hz for 0.5 sec	T1	Apollo Alert Tone	1 sec off, 1 sec 850 Hz	T0

Notes: \*UL compliant

- Document # DS-58000-1.0
- Copyright © 2021 Harding Instruments Co. Ltd.
- All Specifications are subject to change without notice
- Printed in Canada



9564 Yellowhead Trail NW  
Edmonton, Alberta, T5G 0W4  
sales@harding-tech.com

Tel 780.462.7100  
Fax 780.450.8396  
www.harding-tech.com



Represented by: