

# Discovery UL

## Sounder Visual Indicator Base



### Product overview

<b>Product</b>	Discovery UL Sounder Visual Indicator Base
<b>Part No.</b>	45681-524 (Red LED) 45681-527 (Yellow LED)
<b>Digital communication</b>	Discovery (XP95 and CoreProtocol® compatible)

### Compliance



Note: 45681-527 - UL approval only

### Product information



#### CAUTION: Product Use

The Discovery Sounder Visual Indicator Base is only certified as a base to which a suitable detector can be installed. It must not be used as an evacuation or alarm notification device. The device is suitable for indoor use only.

The Discovery UL Sounder Visual Indicator Base combines a sounder with a visual indicator and a detector base in one unit. It has up to 15 tone pairs, seven volume settings, independent control of sounder and beacon and fast turn-on functions. The configuration of the sounder is set by the fire control panel. The device does not have an isolator.

- Sounder and visual indicator are independently configurable
- Volume and tone settings are independently selectable from the control panel
- Tones can be used for other purposes in applications such as schools, hospitals and nursing homes
- Electronic bell tone

### 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.

<b>Operating voltage</b>	17 - 28 V dc polarity sensitive
<b>Digital communication</b>	Discovery, (XP95 and CoreProtocol compatible)
<b>Protocol pulses</b>	5 - 9 V
<b>Normal standby</b>	< 1.3 mA
<b>Switch-on surge current</b>	1.2 mA for 1 second
<b>Beacon only operating at 28 V</b>	4.12 mA
<b>Audible alarm only operating at 28 V</b>	6.36 mA
<b>Operating temperature</b>	variable
<b>Humidity (no condensation or icing)</b>	0% to 95% RH
<b>Standards and approvals</b>	UL, CSFM
<b>Dimensions</b>	4.53 in (115 mm) diameter x 1.5 in (38 mm) height
<b>Weight</b>	5.92 oz (168 g)
<b>Materials</b>	Housing: White polycarbonate Terminals: Nickel plated stainless steel

### Operation

The Discovery UL Sounder Visual Indicator Base can be used either with a detector fitted or with a cap fitted for operation as a stand-alone visual indicator device.

The Discovery UL Sounder Visual Indicator Base normally switches both sounder and visual indicator to provide a notification. The sounder and visual indicator of the Discovery UL Sounder Visual Indicator Base can, however, be switched independently of each other by the control panel.

### Location-specific volume setting

The commissioning engineer 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 presses a button on the control panel which then registers all the individual volume settings.

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

Tone settings						
Byte value	Primary tone		Tone No.	Secondary tone		Tone No.
1	Apollo Tone	550 Hz for 0.5 seconds 825 Hz for 0.5 seconds	T1	Apollo Secondary Tone	1 second off, 1 second 825 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 Hz 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	660 Hz	T17
8	Australia - fast rise sweep	3 x (500 Hz - 1200 Hz for 0.5 sec), 0.5 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 off	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	2850 Hz	T15
12	Simulated Bell - Continuous	Continuous	T8	Simulated Bell - Intermittent	1second on 1 second off	T9
13	Emergency Warning Siren	N/A	T10	Emergency Warning - All Clear	N/A	T10
14	Continuous Tone	970 Hz continuous	T13	Alternating Tone	Silence for 1 second 970 Hz for one second	T19
15	US Temporal HF (ISO 8201)	3 x (2900 Hz, 0.5 sec on, 0.5 sec off), 1 sec off	T23	Continuous	2900 Hz	T24