FIRE WATCH
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Fire Watch UL

Open-Area Sounder Visual Indicator

Product overview

Product	Open-Area Sounder Visual Indicator
Part No.	**FW**58000-011
Digital Communication	**Fire Watch** Protocol® compatible

Compliance

Product information

The Fire Watch UL Open-Area Sounder Visual Indicator 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.

- 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

Technical data

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

Operating voltage*		17 V - 28 V dc*
Digital communication		***Fire Watch*** Protocol compatible
Supervisory current		< 750 µA
Switch-on surge current		< 2.6 mA for 1 second
Sounder operating		Variable
Temperature range		32°F to 100°F (0ºC to 38ºC)
Humidity		10% to 93% RH (no condensation or icing)
IP Rating		IP65
Standards & approvals		UL
Dimensions		3.85 in. (98 mm) diameter x 4.09 in. (104 mm) height
Weight		3.7 oz (105 g)
Materials	Housing	Red flame-retardant polycarbonate
	Terminals	Nickel plated stainless steel

The right tone for your installation

Fire Watch UL Open-Area Sounder Visual Indicator 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.

Sounder; visual indicator or both

Fire Watch UL Open-Area Sounder Visual Indicator normally switches both sounder and visual indicator to provide an alert or evacuation signal. There might be

instances where a flash or a sounder would not be permitted.

It is a simple choice as to whether to switch both sounder and visual indicator together or to switch either as necessary.

Location specific volume setting

Detectors and sounder visual indic ators are installed in many different types of envi ronment. When configuri ng the Fire Watch UL Open-Area Sounder Visual Indicator the adjustment of the volume can be done at the point of installation.

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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 Fire Watch UL Sounder Visual Indicator Base 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.

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

Whichever evacuation tones is selected there is a 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 Sounder Visual Indicator Bases by assigning devices to groups on commissioning, with the group information being stored in each device. One command will then switch on all devices in the group.

Tone settings						
Byte value	Primary tone		Tone No.	Secondary tone		Tone No.
1	Fire Watch Evacuation Tone	567 Hz for 0.5 seconds 850 Hz for 0.5 seconds	T1	Fire Watch Alert Tone	1 second off, 1 second 850 Hz	T0
2			T12		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	Evacuation Tone	970 Hz continuous	T13	Alert Tone	Silence for 1 second 970 Hz for one second	T19
15	Fire Watch Evacuation Tone	567 Hz for 0.5 sec, 850 Hz for 0.5 sec	T1	Fire Watch Alert Tone	1 second off 1 second 850 Hz	T0

* UL compliant tone