

Discovery Open Area Sounder Beacon: VF5652-1M



USCG Type Approved
161.002/A53/0



Standard Features

- 15 evacuation tones + 15 secondary or alert tones
- 7 volume levels
- Alarm switching by individual device, by group or of all devices on 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
- Class change bell tone

Overview

The Discovery® Open Area Sounder Beacon is an alarm device comprising a sounder, a beacon and a short-circuit isolator for use with Discovery detection systems. It is supplied with a mounting base which incorporates a short-circuit isolator.

The VF5652-1M Open Area Sounder Beacon is used to provide audible and visual warning of fire and is controlled by the fire control panel by means of the Discovery protocol. The particular features of this sounder beacon are available only when it is being controlled by the full Discovery protocol with the panel programmed accordingly. Information on available features can be requested from Fireboy-Xintex.

The right tone for your installation

The Open Area Beacon offers a choice of 15 evacuation tones, including the standard 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 7 levels of sound, the highest level being nominally 100dB(A).

Sounder, beacon or both

The Discovery Open Area Sounder Beacon normally switches both sounder and beacon 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 beacon together or to switch either as necessary.

Location-specific volume setting

Detectors and sounder beacons are installed in many different types of environments. When configuring the Discovery Open Area Sounder Beacon the adjustment of the volume 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.

Technical Specifications

Operating voltage: 17-28 VDC

Protocol Pulses: 5-9V

Current Consumption at 24V:

switch-on surge: <1s 1,2mA

quiescent: 430µA

device operated at max volume: 8,2mA

Maximum sound output at 90°: 100dB(A)

Operating Temperature: -4°F to 140°F

Humidity (no condensation): 0-95%