

MULTI-TONE OPEN AREA SOUNDER

55000-298APO / 55000-
299APO

Instruction Sheet

R10253GB0



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1 MULTI-TONE OPEN AREA SOUNDER

MULTI-TONE OPEN AREA SOUNDER is available in two colors: Red (FFS06728105 / 55000-298APO) and white (FFS06728106 / 55000-299APO).

1.1 Features

The alarm device offers:

- two volume settings 92dB(A) and 100dB(A)
- synchronisation of 'alert' and 'evacuate' tones
- individual & group addressing
- without built-in isolator
- red or white options

A nominal sound output of 100dB(A) is achieved at a current consumption of 5mA in the case of the sounder and 9mA for the sounder beacon. Many control panels will be able to drive up to 20 sounders per loop on average. The maximum number of sounders that may be connected to a particular loop should, however, be determined by a loop loading calculation using the Schneider Electric Loop Calculator.

Since the Multi-tone Open-Area Alarm Devices are intended for use in open areas, it is possible for more than one sounder to be audible at any given point in a building. For this reason, the operation of all the sounders may be synchronised by sending address '0'. Not only that, the Multi-tone Open-Area Alarm Devices can be assigned group addresses as well as individual addresses, so that the functional options of the sounder are identical with those of the Sounder Control Unit.

1.2 Technical Data

105 x 105 x 90 mm (L x W x H) 290g

Operating voltage 18–28V DC (polarity sensitive)

Maximum Loop Current consumption at 24V

switch-on surge, 1.2mA for <1 sec

quiescent 330µA

operated Sounder 5mA

operated Sounder Beacon 9mA

Sound output 100dB(A)

IP rating 21C

Temperature -10°C to +55°C

1.3 Electrical Considerations

The Multi-tone Open-Area Alarm Devices are powered directly from the loop and need no external power supply. They operate at 18–28V DC and are polarity sensitive.

1.4 Synchronisation

The Multi-tone Open-Area Alarm Devices can be synchronised with other sounders by using address '0'. It is recommended that address '0' be sent at ten minute intervals by the control panel.

NB: Units on two or more loops can be synchronised in pulsed mode only if the panel transmits address '0' to all loops synchronously, with the output bits set to '0'.

1.5 Tone Frequency and Volume Control

The volume control can be used to adjust the sound from 100dB(A) to 92dB \pm 3dB(A) if required.

The sounder also offers synchronisation of continuous and pulsed tones. This ensures the integrity of the alert signals – tones from different sounders do not merge into one signal that could be mistaken for an 'evacuate' tone.