

DA-SERIES BOWS

Building Occupant Warning System



Evacuation

General

The Notifier DA-SERIES Building Occupant Warning System (BOWS) has been designed to provide sound reinforcement, voice messages, alert and evacuation tones to aid rapid and orderly mobilization of people in an emergency situation.

The DA-SERIES provides three power output options of 30W, 60W and 120W. All DA-SERIES building occupant warning systems utilize digital amplification and tone generation to provide superior audio quality and efficiency.

Features

- 17 pre-installed tones
- 9 pre-installed speech messages
- Optional customer message module for on-site recording and storing of 2 custom speech messages
- Additional inputs to initiate Lock-down, Chime, Test and False Alarms speech messages
- Ability to synchronise tones and messages with other DA-Series BOWS
- Fault monitoring of the 100V output lines for open and short circuit
- High efficiency Class D amplifier designed for superior intelligibility and lower current consumption
- Controller or Slave configurations
- 2-wire connection to all Notifier CIE
- Background music & PA microphone analogue audio inputs
- Pre-installed test tones for ease of installation
- Up to 8 DA-SERIES BOWS may be interconnected



DA-30



DA-60



DA-120



STAND-ALONE

Specifications

Device	Stand-by Current ¹	Alarm Current at Rated Output ^{1,2}	Output Voltage	Power Output
DA-30	45mA	1.7A	100 V _{RMS}	30 W
DA-60	140mA	3.5A	100 V _{RMS}	60 W
DA-120	140mA	7.0A	100 V _{RMS}	120 W
SDM-4	25mA	25mA	N/A	N/A

¹ System setup with DA-controller, Pre-amplifier, full load and EOL connected across speaker terminals. Background music is disabled.

² Outputting tone #16 with the rated power output down the speaker line activated via the CIE input.

Ordering Information

ASY-02-002	DA-30 - 30W BOWS amplifier main board c/w interconnect cable, EOL, stand-offs and screws.
ASY-02-003	DA-60 -630W BOWS amplifier main board c/w interconnect cable, EOL, stand-offs and screws.
ASY-02-004	DA-120 - 120W BOWS amplifier main board c/w interconnect cable, EOL, stand-offs and screws.
ASY-02-005	SDM-4 - Speaker distribution module kit.
ASY-02-006	CMM-2 - Custom Message Module c/w PC connect audio cable.
FG-40-004	DA -30 Standalone BOWS c/w Power supply and microphone in cabinet.
FG-40-005	DA - 60 Standalone BOWS c/w Power supply and microphone in cabinet.
FG-40-006	DA -120 Standalone BOWS c/w Power supply and microphone in cabinet.

Message/Chime List:

- 00** Blank
- 01** "Warning, the fire alarm has operated." Stand by for further instructions"
5 seconds - *Male Voice*
- 02** "Emergency! Evacuate now!"
3 seconds - *Male Voice*
- 03** "Emergency! Evacuate using the nearest fire exit"
4 seconds - *Male Voice*
- 04** "Emergency! Evacuate to the nearest assembly point"
4 seconds - *Male Voice*
- 05** "Warning, the fire alarm has operated." Stand by for further instructions"
6 seconds - *Female Voice*
- 06** "Emergency! Evacuate as directed"
3 seconds - *Female Voice*
- 07** Attention, attention! An emergency exists. Please follow the lock down procedure"
6 seconds - *Male Voice*
- 08** "The emergency warning system is being tested"
3 seconds - *Male Voice*
- 09** This has been a false alarm. You may return to your normal activity"
4 seconds - *Male Voice*
- 10** School bell sound
3 seconds
- 11** Custom recording 1 from CMM-2
- 12** Custom recording 2 from CMM-2

Tones List

- 00** Blank
- 01** Ramping T3
- 02** T3 - 520Hz
- 03** T3 - 800Hz
- 04** T3 - 970Hz
- 05** Ramping T3 - Reverse
- 06** T3 - 2860Hz
- 07** AS2220 Alert tone
- 08** AS2220 Evacuation tone
- 09** 510Hz/610Hz Alternating
- 10** 800Hz/970Hz Alternating
- 11** 800Hz /970Hz Ramping @ 2Hz
- 12** 800Hz/970Hz Ramping @ 1Hz
- 13** 800Hz/970Hz Ramping @ 0.5Hz
- 14** 420Hz 0.625s on 0.5s off
- 15** 520Hz continuous tone
- 16** 970Hz Continuous - Test tone
- 17** 970Hz 0.5s on 3.5s off

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