



Description

Alarm Bar C1D2 audiovisual alarm stations consist of a siren and packaging options for two or four strobes. The horn and strobes meet NEMA 4X watertight, dust-tight requirements and are rated Class 1, Div 2. Alarm components are pre-assembled and packaged in a NEMA 4X rain tight enclosure that can be pipe or wall mounted.

Alarm Bar C1D2 is designed for use in industrial environments where a very bright visual and high decibel alarm signal is required. It is available in a dual strobe or quad strobe configuration. The alarm station consists of a sequence of strobes and a siren. The high intensity strobe light provides 60-80 flashes per minute rated 1.9 joules per flash. Strobe color options include amber, blue, clear, green, purple and red. The siren is capable of producing 28 user selectable tones and produces an output of up to 125 db @ 1 meter.

When used in conjunction with Detcon Sentinel or other Detcon Controllers, the alarm station is typically used to provide an alarm 1 (strobe 1), alarm 2 (strobe 2), alarm 3 (strobe 3), alarm 4 (strobe 4) and alarm 5 (horn) for predetermined hazardous environmental gas levels (toxic or flammable) as indicated by remote mount gas sensors.

Features

- ▶ Dual or Quad strobe options
- ▶ High intensity strobes rated 1.9 joules
- ▶ Up to 125 dB horn @ 1 meter
- ▶ Class I, Div II, Groups A, B, C, D; NEMA 4X



Applications

- ▶ Oil and Gas Drilling Rigs
- ▶ Oil and Gas Production Sites
- ▶ Wastewater Treatment Plants
- ▶ Food and Beverage Processing
- ▶ Pulp and Paper Mills
- ▶ Refining and Petrochemical

Alarm Bar C1D2 ■ Audio Visual Alarm Station

R040115

Alarm Station Specifications

Electrical Classification

Class I; Div 2; Groups A,B,C,D
NEMA 4X

Dimensions

7.1"W x 30.8"H x 16.9"D; 180mmW x 782mmH x 429mmW (4 strobe)
7.1"W x 18.8"H x 16.9"D; 180mmW x 477mmH x 429mmW (2 strobe)

Weight

18 lbs.; 8.2 kg (4 strobe)
16 lbs.; 7.2 kg (2 strobe)

Warranty

1 year

Visual Alarm Specifications

Candle Power

50 effective candle power (EFC)

Joules per Flash

1.9

Lamp type

Xenon strobe

Flash rate

60-80 flashes per minute

Lamp life

7,000 hours

Dome Colors

Amber, blue, clear, green, purple and red

Approvals (strobe only)

UL Listed, CSA Certified, hazardous locations:
Class I, Div. 2, Groups A-D
Class II, Div. 2, Groups F & G
Class III

Audible Alarm Specifications

Output

Up to 125 dB @ 1 meter

Tones

28 User Selectable Tones Available

Approvals (horn only)

ATEX Certified
IECEX Certified
UL listed for USA and Canada
Class I, Div 2, Groups A-D
Class I, Zone 1, Ex d IIC/AEx d IIC Gb
Class II, Div 2, Groups F & G
Zone 21, AEx tb IIIC
Class III, Div. 1

Electrical Specifications

Power Input

12-48 VDC

Power Consumption

2.3 amps at 12 VDC max full alarm (4 strobe)
1.5 amps at 12 VDC max full alarm (2 strobe)
0.4 amp average at 12 VDC (per each strobe)
0.7 amp at 12 VDC (horn)

Environmental Specifications

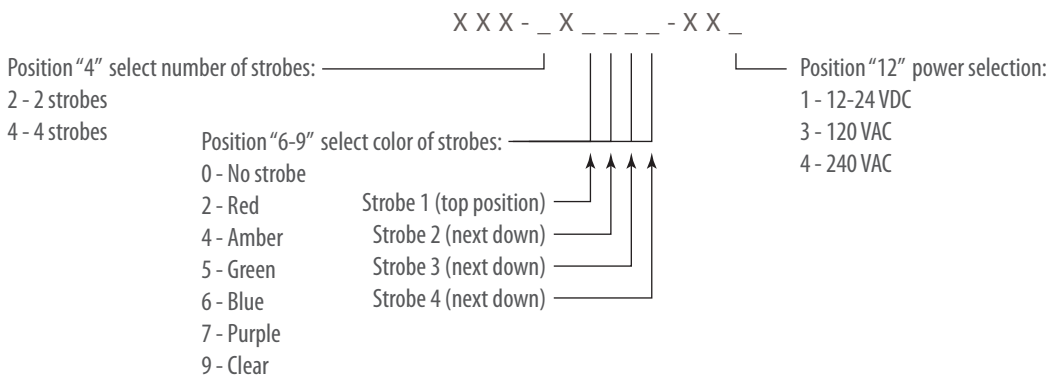
Operating Temperature

-40°C to +65°C; -40°F to +149°F

Specifications subject to change without notice

Order Guide

Part Number	Description
977-__4____-0P__	Audio Visual Alarm Bar <i>See legend below to complete the part number.</i>



Tel: 713-559-9200
Toll Free: 888-367-4286
Fax: 281-292-2860
Email: sales@detcon.com
Web: www.detcon.com