

E2S global network



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|----------------|------------|--------------|---------------------|
| Afghanistan | Finland | Lebanon | South Africa |
| Algeria | France | Libya | South Sudan |
| Australia | Germany | Malaysia | Spain |
| Austria | Ghana | Malta | Sultanate of Oman |
| Azerbaijan | Hungary | Mauritania | Sweden |
| Bahrain | India | Mauritius | Switzerland |
| Belgium | Indonesia | Mexico | Syria |
| Brazil | Iran | Morocco | Taiwan |
| Canada | Iraq | Netherlands | Tanzania |
| Canary Islands | Ireland | New Zealand | Thailand |
| Chile | Israel | Nigeria | Trinidad and Tobago |
| China | Italy | Norway | Tunisia |
| Cyprus | Japan | Poland | Turkey |
| Czech Republic | Jordan | Qatar | U.A.E |
| Denmark | Kazakhstan | Russia | U.S.A |
| Egypt | Kenya | Saudi Arabia | United Kingdom |
| Estonia | Korea | Singapore | Yemen |
| Ethiopia | Kuwait | Slovakia | |

E2S Warning Signals

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D1x: Explosion Proof Class I Division 1 Signals



D1x Combination Signals

Class I/II Div 1, Zone 1, Zone 20



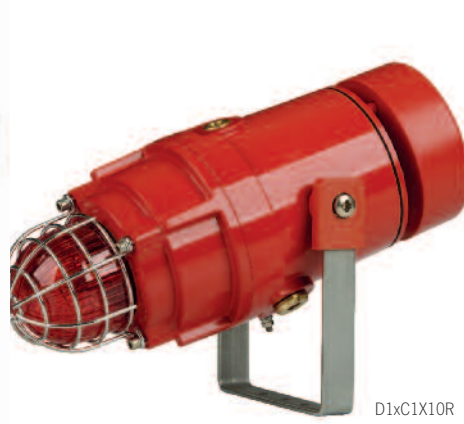
D1xC1X05R



D1xC1X05F / D1xC1X10F



D1xC2X05F / D1xC2X10F



D1xC1X10R



D1xS1F



D1xS2F / D1xL2



D1xS1R

Range Info:

Enclosure Material

Corrosion proof, marine grade, copper free LM6 aluminium, chromated and powder coated.

Flare Material

ABS - UL94 V0 5VA FR

Enclosure & Flare colour

Red (RAL3000) or Grey (RAL7038)

Lens colour filters

Amber, Blue, Clear, Green, Magenta, Red & Yellow

Ingress Protection

Type 4, 4X, 13, 3R, IP67

Fixings

Stainless steel.

Mounting

Ratchet adjustable stainless steel 'U' bracket.

Cable entries

1 x 1/2" NPT
2 x M20 ISO (or adapted to 1/2" or 3/4" NPT)
Stopping plugs included (brass, nickel plated or stainless steel).

The D1x combined signals - integrated audible and visual warning signals from one device.

The Xenon strobe beacons are combined with alarm horn sounders either employing a traditional flare horn design, or the compact radial horn design which distributes sound omni-directionally and enables the beacon to be oriented optimally in any direction.

Strobe versions include 5 or 10 Joules with candela outputs of up to 1,000,000cd. Available in seven colours with a UV stable PC, field replaceable, filter. The flare version alarm horn sounders are available in sound pressure levels of up to 117 and 125dB(A).

The D1xC1X05 variants with 24Vdc operating voltage are also approved for audible public mode and visual private mode fire alarm use.

A threaded flame path enable quick installation and simplifies maintenance inspection whilst the innovative internal arrangement maximises wiring space. The ratchet adjustable mounting bracket allows the device to be positioned for maximum effectiveness - the radial version device can be installed in any orientation.

Approvals:

Class I Division 1 Group ABCD	Class II Division 1 Group FG
Class I Zone 1 IIC	Zone 20 IIIB
D1xC1X05:	D1xC1X05, D1xC2X05:
T5 Ta -40°C to +70°C	T4 Ta -40°C to +55°C
T6 Ta -40°C to +55°C	T4A Ta -40°C to +40°C
D1xC1X10, D1xC2X05, D1xC2X10:	
T5 Ta -40°C to +55°C	
T6 Ta -40°C to +50°C	
UL, cULs	UL, cULs

Combination Signals with Xenon Strobes

Ref: 1-23-060

D1xC1X05R

Radial Alarm Horn & 5 Joule Strobe

24Vdc & 115/230Vac 50/60HZ
Max output: 115dB(A) @ 1 metre
- 106dB(A) @ 10ft/3m
64 alarm tones with 4 stages/channels
10 Joule Xenon beacon
Effective intensity 500cd
Peak intensity 1,000,000cd
122.0mm x 339.0mm (4.80" x 13.33")

Ref: 1-23-070

D1xC1X10R

Radial Alarm Horn & 10 Joule Strobe

24Vdc & 115/230Vac 50/60HZ
Max output: 115dB(A) @ 1 metre
- 106dB(A) @ 10ft/3m
64 alarm tones with 4 stages/channels
10 Joule Xenon beacon
Effective intensity 500cd
Peak intensity 1,000,000cd
122.0mm x 339.0mm (4.80" x 13.33")

Ref: 1-23-050

D1xC1X05F

Flare Alarm Horn & 5 Joule Strobe

24Vdc & 115/230Vac 50/60HZ
Max output: 117dB(A) @ 1 metre
- 108dB(A) @ 10ft/3m
64 alarm tones with 4 stages/channels
5 Joule Xenon beacon
Effective intensity 250cd
Peak intensity 500,000cd
181.0mm x 408.0mm (7.13" x 16.06")

Ref: 1-23-070

D1xC1X10F

Flare Alarm Horn & 10 Joule Strobe

24Vdc & 115/230Vac 50/60HZ
Max output: 117dB(A) @ 1 metre
- 108dB(A) @ 10ft/3m
64 alarm tones with 4 stages/channels
10 Joule Xenon beacon
Effective intensity 500cd
Peak intensity 1,000,000cd
181.0mm x 408.0mm (7.13" x 16.06")

Ref: 1-23-070

D1xC2X05F

Flare Alarm Horn & 5 Joule Xenon

24Vdc & 115/230Vac 50/60HZ
Max output: 125dB(A) @ 1 metre
- 116dB(A) @ 10ft/3m
64 alarm tones with 4 stages/channels
5 Joule Xenon beacon
Effective intensity 250cd
Peak intensity 500,000cd
220.0mm x 458.0mm (8.66" x 18.04")

Ref: 1-23-070

D1xC2X10F

Flare Alarm Horn & 10 Joule Xenon

24Vdc & 115/230Vac 50/60HZ
Max output: 125dB(A) @ 1 metre
- 116dB(A) @ 10ft/3m
64 alarm tones with 4 stages/channels
10 Joule Xenon beacon
Effective intensity 500cd
Peak intensity 1,000,000cd
220.0mm x 458.0mm (8.66" x 18.04")

D1x Horns & Loudspeakers

Class I/II Div 1, Zone 1, Zone 20

The powerful D1x alarm horn sounders are available with traditional flare horn design or the compact radial horn design which distributes the warning signal omni-directionally.

All versions offer 64 different first stage/channel alarm sounds which can be selected via an internal switch. Each tone can be remotely triggered e.g. via an external relay, to change to a second, third or fourth stage/channel alarm sound.

The D1xS1 alarm horn variants, in 24Vdc operating voltage, are also available approved for public mode fire alarm use.

The D1x PA loudspeaker driver and flare horn is available in 15 or 25W versions. Input options include 8 or 16 ohm low impedance and 70V line transformer.

The 70V line transformer units feature multiple tappings for each version of the loudspeaker. Field replaceable flare - driver employs standard 1 3/8" -18 male thread coupling.

Approvals:

Class I Division 1 Group ABCD
Class I Zone 1 IIC
T6 Ta -40°C to +70°C
Class II Division 1 Group FG
Zone 20 IIIB
T6 Ta -40°C to +70°C

UL, cULs

Alarm Sounders/Horns

Ref: 1-22-140

D1xS1F Flare Alarm Horn Sounders

24Vdc (10-30vdc) & 115/230Vac 50/60HZ
Max output: 117dB(A) @ 1m
- 108dB(A) @ 10ft/3m
64 alarm tones with 4 stages/channels
181.0mm x 285.0mm (7.13" x 11.20")

Ref: 1-22-160

D1xS2F Flare Alarm Horn Sounders

24Vdc (10-30vdc) & 115/230Vac 50/60HZ
Max output: 125dB(A) @ 1m
- 116dB(A) @ 10ft/3m
64 alarm tones with 4 stages/channels
220.0mm x 334.0mm (8.66" x 13.14")

Omnidirectional Alarm Horns

Ref: 1-22-150

D1xS1R Radial Horn Alarm Sounders

24Vdc (10-30vdc) & 115/230Vac 50/60HZ
Max output: 115dB(A) @ 1m
- 106dB(A) @ 10ft/3m
64 alarm tones with 4 stages/channels
122.0mm x 215.0mm (4.80" x 8.48")

PA Loudspeakers

Ref: 1-22-180

D1xL2F PA Loudspeakers 25W

Re-entrant flare horn
70V line transformer
8 or 16 Ohm low impedance
Rated SPL 119dB +/-3dB @ 25W @ 1m
220.0mm x 334.0mm (8.66" x 13.14")

Ref: 1-22-170

D1xL1F PA Loudspeakers 15W

Re-entrant flare horn
70V line transformer
8 or 16 Ohm low impedance
Rated SPL 113dB +/-3dB @ 15W @ 1m
181.0mm x 285.0mm (7.13" x 11.20")

