

|       |         |  |
|-------|---------|--|
| 8     | 9       | 10                                       |
| ISSUE | MOD No. | INITIAL/DATE                             |
| 1     |         | INTRODUCTION<br>DAH 08-04-2020           |
| 2     |         | UPDATED TO NEW RATINGS<br>DAH 15-03-2022 |

**D1xS1F**  
Model: D1xS1-DC024-A  
Audible Signaling Appliance  
Voltage Range: 11.5-54Vdc Special Application

|                      |       |       |       |
|----------------------|-------|-------|-------|
| Nominal Voltage      | 12Vdc | 24Vdc | 48Vdc |
| Nominal Current (mA) | 221   | 185   | 115   |
| Max Current (mA)     | 221   | 221   |       |

Refer to: D190-09-001-4S-UL Issue A

-55°C/-67°F to +85°C/185°F (General Signaling CA: -55°C/-67°F to +85°C/185°F)  
Audible Appliance for use in Fire Alarm Systems - Public Mode  
Minimum SPL at 10 feet (dB(A)); P1: US: 92.06; CA: 98.2  
(worst case @11.5Vdc)  
Minimum SPL at 10 feet (dB(A)); P1: US: 94.62; CA: 100.9 (@24Vdc)

D1xS1-DC024-A  
Label 1

**D1xS1F**  
Model: D1xS1-DC024-D  
Audible Signaling Appliance  
Voltage Range: 11.5-54Vdc Special Application

|                      |       |       |       |
|----------------------|-------|-------|-------|
| Nominal Voltage      | 12Vdc | 24Vdc | 48Vdc |
| Nominal Current (mA) | 221   | 185   | 115   |
| Max Current (mA)     | 221   | 221   |       |

D1xS1-DC024-D  
Label 1

**D1xS1F**  
Model: D1xS1-AC230-A  
Audible Signaling Appliance  
Voltage Range: 100-240Vac 50/60Hz

|                      |        |        |
|----------------------|--------|--------|
| Nominal Voltage      | 115Vac | 230Vac |
| Nominal Current (mA) | 80     | 80     |
| Max Current (mA)     | 80     | 80     |

-55°C/-67°F to +85°C/185°F (General Signaling CA: -55°C/-67°F to +40°C/104°F)

D1xS1-AC230-A  
Label 1

**D1xS1F**  
Model: D1xS1-AC230-D  
Audible Signaling Appliance  
Voltage Range: 100-240Vac 50/60Hz

|                      |        |        |
|----------------------|--------|--------|
| Nominal Voltage      | 115Vac | 230Vac |
| Nominal Current (mA) | 80     | 80     |
| Max Current (mA)     | 80     | 80     |

D1xS1-AC230-D  
Label 1

**D1xS1-DC024-A**  
D1xS1FDC024...

UL CERTIFIED SAFETY SIGNALING US-CA E230764 e2S warning signals

US & CANADA (NEC & CEC) CLASS DIV  
CLASS I DIV 1 Group ABCD T5 Ta -55°C to +75°C  
CLASS II DIV 1 Group ABCD T6 Ta -55°C to +75°C  
US & CANADA (NEC & CEC) CLASS ZONE  
CLASS I ZONE 1 Group IIC T5 Ta -55°C to +85°C  
CLASS I ZONE 1 Group IIC T6 Ta -55°C to +75°C

ATEX / IECEx  
Ex db IIC T5 Gb Ta -55°C to +75°C  
Ex db IIC T6 Gb Ta -55°C to +70°C  
Ex tb IIIC T84°C Db Ta -55°C to +75°C

II 2G DEMKO 19 ATEX 2141X  
II 2D IECEx ULD 19.0008X  
UKEx UL UL21UKEK2132X

Warnings:  
Enclosure Entries: Twin: M20x1.5 / Single: 1/2" NPT  
If temperature exceeds 70°C at entry or 80°C at branching point use suitable rated cable and cable glands

Type 4 / 4X / 3R / 13 IP66  
Year / Serial No. YY/01DD12...

Impress House, Mansell Rd, London UK W3 7QH www.e2s.com

D1xS1-DC024-A  
Label 2

**D1xS1-DC024-D**  
D1xS1FDC024...

UL CERTIFIED SAFETY SIGNALING US-CA E230764 e2S warning signals

US & CANADA (NEC & CEC) CLASS DIV  
CLASS I DIV 1 Group FG T6 Ta -55°C to +70°C  
CLASS II DIV 1 Ta -55°C to +70°C  
US & CANADA (NEC & CEC) CLASS ZONE  
CLASS II ZONE 20 Group IIIB T6 Ta -55°C to +70°C

ATEX / IECEx  
Ex db IIC T5 Gb Ta -55°C to +75°C  
Ex db IIC T6 Gb Ta -55°C to +70°C  
Ex tb IIIC T84°C Db Ta -55°C to +75°C

II 2G DEMKO 19 ATEX 2141X  
II 2D IECEx ULD 19.0008X  
UKEx UL UL21UKEK2132X

Warnings:  
Enclosure Entries: Twin: M20x1.5 / Single: 1/2" NPT  
If temperature exceeds 70°C at entry or 80°C at branching point use suitable rated cable and cable glands

Type 4 / 4X / 3R / 13 IP66  
Year / Serial No. YY/01DD12...

Impress House, Mansell Rd, London UK W3 7QH www.e2s.com

D1xS1-DC024-D  
Label 2

**D1xS1-AC230-A**  
D1xS1FAC230...

UL CERTIFIED SAFETY SIGNALING US-CA E230764 e2S warning signals

US (NEC) CLASS DIV  
CLASS I DIV 1 Group ABCD T5 Ta -55°C to +85°C  
CLASS II DIV 1 Group ABCD T6 Ta -55°C to +75°C  
US (NEC) CLASS ZONE  
CLASS I ZONE 1 Group IIC T5 Ta -55°C to +85°C  
CLASS I ZONE 1 Group IIC T6 Ta -55°C to +75°C  
CANADA (CEC) CLASS DIV  
CLASS I DIV 1 Group ABCD T6 Ta -55°C to +40°C  
CANADA (CEC) CLASS ZONE  
CLASS I ZONE 1 Group IIC T6 Ta -55°C to +40°C

ATEX / IECEx  
Ex db IIC T5 Gb Ta -55°C to +75°C  
Ex db IIC T6 Gb Ta -55°C to +70°C  
Ex tb IIIC T82°C Db Ta -55°C to +75°C

II 2G DEMKO 19 ATEX 2141X  
II 2D IECEx ULD 19.0008X  
UKEx UL UL21UKEK2132X

Warnings:  
Enclosure Entries: Twin: M20x1.5 / Single: 1/2" NPT  
If temperature exceeds 70°C at entry or 80°C at branching point use suitable rated cable and cable glands

Type 4 / 4X / 3R / 13 IP66  
Year / Serial No. YY/01DD13...

Impress House, Mansell Rd, London UK W3 7QH www.e2s.com

D1xS1-AC230-A  
Label 2

**D1xS1-AC230-D**  
D1xS1FAC230...

UL CERTIFIED SAFETY SIGNALING US-CA E230764 e2S warning signals

US & CANADA (NEC & CEC) CLASS DIV  
CLASS II DIV 1 Group FG T6 Ta -55°C to +70°C  
CLASS III DIV 1 Ta -55°C to +70°C  
US & CANADA (NEC & CEC) CLASS ZONE  
CLASS II ZONE 20 Group IIIB T6 Ta -55°C to +70°C

ATEX / IECEx  
Ex db IIC T5 Gb Ta -55°C to +75°C  
Ex db IIC T6 Gb Ta -55°C to +70°C  
Ex tb IIIC T82°C Db Ta -55°C to +75°C

II 2G DEMKO 19 ATEX 2141X  
II 2D IECEx ULD 19.0008X  
UKEx UL UL21UKEK2132X

Warnings:  
Enclosure Entries: Twin: M20x1.5 / Single: 1/2" NPT  
If temperature exceeds 70°C at entry or 80°C at branching point use suitable rated cable and cable glands

Type 4 / 4X / 3R / 13 IP66  
Year / Serial No. YY/01DD13...

Impress House, Mansell Rd, London UK W3 7QH www.e2s.com

D1xS1-AC230-D  
Label 2

Notes:

- For D1xS1R, replace 'F' with 'R' in part code
- Enclosure entries may differ depending on product options

**CAUTION**  
TO REDUCE THE RISK OF IGNITION OF HAZARDOUS ATMOSPHERES:  
DISCONNECT FROM SUPPLY BEFORE OPENING.  
KEEP TIGHTLY CLOSED WHEN IN OPERATION.

**WARNING**  
FIT SEALING FITTING IN CONDUIT RUNS  
WITHIN 18 INCHES FROM ENCLOSURE.  
NOT TO BE USED AS A VISUAL PUBLIC  
MODE ALARM NOTIFICATION APPLIANCE.  
DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT  
DO NOT OPEN WHEN ENERGISED  
POTENTIAL ELECTROSTATIC CHARGING HAZARD - CLEAN ONLY  
WITH A DAMP CLOTH

**ATTENTION**  
POUR REDUIRE LE RISQUE D'INFLAMMATION  
DES ATMOSPHERES DANGEREUSES:  
COUPER L'ALIMENTATION AVANT OUVERTURE.  
CONSERVER FERME PENDANT LE FONCTIONNEMENT.

**AVERTISSEMENT**  
CONDUITS DOIVENT ETRE SCELLES EN MOINS DE 18 POUCES.  
NE DOIT PAS ETRE UTILISE EN TANTQUE APPAREIL  
POUR LA NOTIFICATION D'ALARME PUBLIQUE VISUELLE.  
NE PAS OUVRIR UN PRESENCE D'ATMOSPHERE EXPLOSIVE  
NE PAS OUVRIR QUAND ENERGISE  
DANGER POTENTIEL CHARGE ELECTROSTATIQUE -  
NETTOYER UNIQUEMENT AVEC UN CHIFFON HUMIDE

D1xS1 Warnings Label  
(All Models)

RELATED DRAWING  
No modification permitted  
without reference to the  
"Authorised Person"

|  |                             |                              |                             |                                    |   |   |                                      |                        |                                      |
|--|-----------------------------|------------------------------|-----------------------------|------------------------------------|---|---|--------------------------------------|------------------------|--------------------------------------|
| DRAWING TO BS8888:2000<br>GEOMETRIC TOLERANCES TO ISO1101:1983<br>LINEAR DIMENSIONAL TOLS +/-0.35mm<br>ANGULAR DIMENSIONAL TOLS +/-2 deg | DRAWN<br><b>D.HOWGILL</b>   | DATE<br><b>08-04-20</b>      | SURFACE FINISH              | WEIGHT (Kg)                        | THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE<br>MATTER THEREIN IS COMMUNICATED IN CONFIDENCE AND IS<br>THE COPYRIGHT PROPERTY OF EUROPEAN SAFETY SYSTEMS<br>LTD. NEITHER THE WHOLE OR ANY EXTRACT MAY BE<br>DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING<br>OR TENDERING PURPOSES WITHOUT THEIR WRITTEN<br>CONSENT. | <br>EUROPEAN SAFETY SYSTEMS LTD<br>IMPRESS HOUSE<br>MANSELL ROAD<br>ACTON<br>LONDON W3 7QH<br>WWW.E2S.COM | ALL DIMENSIONS IN MM                 |                        | A3                                   |
|  | CHECKED<br><b>R.N.POTTS</b> | DATE<br><b>08-04-20</b>      | MATERIAL<br><b>SEE NOTE</b> | IF IN DOUBT, ASK -<br>DO NOT SCALE |   |   | TITLE<br><b>D1xS1 SOUNDER LABELS</b> |                        |                                      |
|  | STANDARDS<br><b>D1x</b>     | APPROVED<br><b>R.N.POTTS</b> | DATE<br><b>08-04-20</b>     | ALTERNATIVE MATERIAL               |   |   | SCALE<br><b>1:1</b>                  | SHEET<br><b>1 of 1</b> | DRAWING NUMBER<br><b>D190-09-001</b> |