

ISSUE	MOD No.	INITIAL/DATE
1		INTRODUCTION DAH 08-04-2020
2		UPDATED TO NEW RATINGS DAH 15-03-2022
3		MED approval added to D1xS1FDC024 only MA 05-03-2024

**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

Refer to D190-09-001-15-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

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  
Max Current (mA): 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  
Max Current (mA): 80

D1xS1-AC230-D  
Label 1

D1xS1-DC024-A  
D1xS1FDC024...

US & CANADA (NEC & CEC) CLASS DIV  
CLASS I DIV 1 Group ABCD T5 Ta -55°C to +85°C  
CLASS I 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 UL21UKEx2132X

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...

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D1xS1-DC024-A  
Label 2

D1xS1-DC024-D  
D1xS1FDC024...

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 UL21UKEx2132X

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...

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D1xS1-DC024-D  
Label 2

D1xS1-AC230-A  
D1xS1FAC230...

US (NEC) CLASS DIV  
CLASS I DIV 1 Group ABCD T5 Ta -55°C to +85°C  
CLASS I 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 UL21UKEx2132X

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...

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D1xS1-AC230-A  
Label 2

D1xS1-AC230-D  
D1xS1FAC230...

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 UL21UKEx2132X

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...

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D1xS1-AC230-D  
Label 2

See Note 3

Notes:

- For D1xS1R, replace 'F' with 'R' in part code
- Enclosure entries may differ depending on product options
- MED approval only applicable to D1xS1-DC024-A with FLARE horn

**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 SCÉLÉS EN MIENS DE 18 POUCES.  
NE DOIT PAS ETRE UTILISÉ EN TANTQUE APPAREIL  
POUR LA NOTIFICATION D'ALARME PUBLIQUE VISUELLE.  
NE PAS OUVRIR UN PRÉSENCE D'ATMOSPHERE EXPLOSIVE  
NE PAS OUVRIR ENERGIÉ.  
DANGER POTENTIEL CHARGE ÉLECTROSTATIQUE -  
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 GEOMETRIC TOLERANCES TO ISO1101:1983 LINEAR DIMENSIONAL TOLS +/-0.35mm ANGULAR DIMENSIONAL TOLS +/-2 deg	DRAWN <b>D.HOWGILL</b>	DATE <b>08-04-20</b>	SURFACE FINISH	WEIGHT (Kg)	THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER THEREIN IS COMMUNICATED IN CONFIDENCE AND IS THE COPYRIGHT PROPERTY OF EUROPEAN SAFETY SYSTEMS LTD. NEITHER THE WHOLE OR ANY EXTRACT MAY BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING OR TENDERING PURPOSES WITHOUT THEIR WRITTEN CONSENT.	 EUROPEAN SAFETY SYSTEMS LTD IMPRESS HOUSE MANSELL ROAD ACTON LONDON W3 7QH WWW.E2S.COM	ALL DIMENSIONS IN MM IF IN DOUBT, ASK - DO NOT SCALE		A3
	CHECKED <b>R.N.POTTS</b>	DATE <b>08-04-20</b>	MATERIAL <b>SEE NOTE</b>	TITLE <b>D1xS1 SOUNDER LABELS</b>					
	STANDARDS <b>D1x</b>	APPROVED <b>R.N.POTTS</b>	DATE <b>08-04-20</b>	ALTERNATIVE MATERIAL			SCALE <b>1:1</b>	SHEET <b>1 of 1</b>	DRAWING NUMBER <b>D190-09-001</b>