



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx ULD 14.0004X** Page 1 of 6 Certificate history:
Status: **Current** Issue No: 5 Issue 4 (2019-11-25)
Date of Issue: 2022-03-28 Issue 3 (2018-06-11)
Applicant: **European Safety Systems Limited** Issue 2 (2017-09-29)
Impress House Issue 1 (2015-05-11)
Mansell Road Issue 0 (2015-03-03)
London W3 7QH
United Kingdom
Equipment: **D2xS1 (sounder) D2xC1 (sounder beacon) D2xB1 (beacon) D2xC2 (sounder beacon) D2xJ1 (junction box)**
Optional accessory:
Type of Protection: **Increased Safety "ec" and Dust Ignition Protection by Enclosure "tc"**
Marking: Ex ec IIC T6/T4/T3/T2/T1 Gc
Ex tc IIIC T55°/75°C/80°C/85°C/90°C/95°C/105°C/110°C Dc
Please see Annex for additional temperature range information.

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

Signature:
(for printed version)

Date:
(for printed version)

2022-03-28

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2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

UL International DEMKO A/S
Borupvang 5A
DK-2750 Ballerup
Denmark





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Manufacturer: **European Safety Systems Limited**
Impress House
Mansell Road
Acton
London
W3 7QH
United Kingdom

Manufacturing locations: **European Safety Systems Limited**
Impress House
Mansell Road
Acton
London
W3 7QH
United Kingdom

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[DK/ULD/ExTR14.0009/00](#)
[DK/ULD/ExTR14.0009/03](#)

[DK/ULD/ExTR14.0009/01](#)
[DK/ULD/ExTR14.0009/04](#)

[DK/ULD/ExTR14.0009/02](#)
[DK/ULD/ExTR14.0009/05](#)

Quality Assessment Report:

[GB/SIR/QAR06.0020/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

D2xS1 (sounder) comprises an aluminium enclosure housing components to generate selectable tones. The enclosure is sealed with o-rings to prevent ingress of dust or water. Up to two M20 threaded entries may be provided for installation of appropriately certified cable entry devices by the end user.

D2xC1X05 (sounder beacon) is the same aluminium housing as the D2xS1, except on one end the beacon assembly is mounted. The lamp is protected by a lens and wire guard. The lens and retaining ring screws are sealed with o-rings to prevent ingress of dust or water. Additional electrical components associated with the operation of the 5 Joule beacon, are installed within the housing and reflected by the nomenclature with "AC or DC" followed by the voltage.

D2xC1X10 (sounder beacon) is the same aluminium housing as the D2xS1, except on one end the beacon assembly is mounted. The lamp is protected by a lens and wire guard. The lens and retaining ring screws are sealed with o-rings to prevent ingress of dust or water. Additional electrical components associated with the operation of the 10 Joule beacon, are installed within the housing and reflected by the nomenclature with "AC or DC" followed by the voltage.

D2xB1X05 (beacon) comprises an aluminium enclosure housing components to generate visual outputs. The enclosure is sealed with o-rings to prevent ingress of dust and water. Up to 7 M20, ½ NPT or ¾ NPT threaded entries may be provided for installation of appropriately certified cable entry devices by the end user. The lamp is protected by a lens and an optional wire guard. Additional electrical components associated with the operation of the 5 Joule beacon, are installed within the housing and reflected by the nomenclature with "AC or DC" followed by the voltage.

D2xB1X10 (beacon) is the same aluminium housing enclosure as the D2xB1X05. The lamp is protected by a lens and an optional wire guard. Additional electrical components associated with the operation of the 10 Joule beacon, are installed within the housing and reflected by the nomenclature with "AC or DC" followed by the voltage.

D2xB1LD2 (beacon)) is the same aluminium housing enclosure as the D2xB1X05. The lamp is protected by a lens and an optional wire guard. Additional electrical components associated with the operation of the LED beacon, are installed within the housing and reflected by the nomenclature with "AC or DC" followed by the voltage.

D2xB1LD3 (beacon) is the same aluminium housing enclosure as the D2xB1X05. The lamp is protected by a lens and an optional wire guard. Additional electrical components associated with the operation of the LED beacon, are installed within the housing and reflected by the nomenclature with "DC" followed by the voltage.

D2xC2X05 (sounder beacon) is the same aluminium housing as the D2xB1X05, coupled with the D2xS1 aluminium enclosure. Two brass connectors with locknuts secure the two housings together with a neoprene foam seal providing the ingress protection. Additional electrical components associated with the operation of the 5 Joule beacon, are installed within the housing and reflected by the nomenclature with "AC or DC" followed by the voltage.

D2xC2X10 (sounder beacon) is the same aluminium housing as the D2xB1X05, coupled with the D2xS1 aluminium enclosure. Two brass connectors with locknuts secure the two housings together with a neoprene foam seal providing the ingress protection. Additional electrical components associated with the operation of the 10 Joule beacon, are installed within the housing and reflected by the nomenclature with "AC or DC" followed by the voltage.

D2xC2LD2 (sounder beacon) is the same aluminium housing as the D2xB1X05, coupled with the D2xS1 aluminium enclosure. Two brass connectors with locknuts secure the two housings together with a neoprene foam seal providing the ingress protection. Additional electrical components associated with the operation of the LED beacon, are installed within the housing and reflected by the nomenclature with "AC or DC" followed by the voltage.

D2xC2LD3 (sounder beacon) is the same aluminium housing as the D2xB1X05, coupled with the D2xS1 aluminium enclosure. Two brass connectors with locknuts secure the two housings together with a neoprene foam seal providing the ingress protection. Additional electrical components associated with the operation of the LED beacon, are installed within the housing and reflected by the nomenclature with "DC" followed by the voltage.

(see Equipment Continued section)

SPECIFIC CONDITIONS OF USE: YES as shown below:

- End user shall adhere to the manufacturer's installation and instruction when performing housekeeping to avoid the potential for hazardous electrostatic charges during cleaning, by using a damp cloth.
- Not to be mounted with the horn facing upwards. Refer to Manufacturer's Instructions.
- The equipment shall only be used in end use with appropriately certified cable entry devices and blanking plugs.

Specific Conditions of Use for D2xB1LD**** and D2xC2LD****, D2xB1XH1DC024, D2xB1XH2DC024, D2xC2XH1DC024 and D2xC2XH2DC024:

- The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664.



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Equipment (continued):

D2xJ1T(Junction Box) is the same aluminium housing as the D2xB1X05 with the junction box lid replacing the lens assembly lid. The enclosure is provided with a 12 Way Terminal Block. The D2xJ1T is approved as an accessory to the D2x product range.

D2xJ1D(Junction Box) is the same aluminium housing as the D2xB1X05 with the junction box lid replacing the lens assembly lid. The enclosure is provided with a DIN rail for installation for up to 12 AKZ 2.5 terminal blocks, and 4 AKE 2.5 Terminal blocks. The D2xJ1D is approved as an accessory to the D2x product range.

D2xB1XH1DC024 (beacon) is the same aluminium housing enclosure as the D2xB1X05. The lamp is protected by a lens and an optional wire guard. The electronics are similar to that of D2xB1X05DC024, with the addition of a low voltage sub board to control flash rate timing.

D2xB1XH2DC024 (beacon) is the same aluminium housing enclosure as the D2xB1X05. The lamp is protected by a lens and an optional wire guard. The electronics are similar to that of D2xB1X10DC024, with the addition of a low voltage sub board to control flash rate timing.

D2xC2XH1DC024 (sounder beacon) is the same aluminium housing as the D2xB1X05, coupled with the D2xS1 aluminium enclosure. Two brass connectors with locknuts secure the two housings together with a neoprene foam seal providing the ingress protection. The model utilizes the D2xB1XH1DC024 beacon coupled with D2xS1DC024.

D2xC2XH2DC024 (sounder beacon) is the same aluminium housing as the D2xB1X05, coupled with the D2xS1 aluminium enclosure. Two brass connectors with locknuts secure the two housings together with a neoprene foam seal providing the ingress protection. The model utilizes the D2xB1XH2DC024 beacon coupled with D2xS1DC024.

Please see Annex for additional information.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Correction of the Nomenclature voltage detail to include AC or DC0 as applicable.

Correction of the Conditions of Certification to match installation instructions.,

Issue 2: Addition of D2xB1 beacons, D2xC2 sounder beacon combinations and D2xJ1 Junction boxes.

Issue 3: Adds new models and sub board assembly.

Issue 4: Adds two new models (new LED driver boards), D2XB1LD3-DC024 and D2XC2LD3-DC024 and updates some of the existing models.

Issue 5: Change of protection concept for all models from "nA" to "ec".



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Additional information:

See Annex for additional Nomenclature details.

Annex:

[Annex to IECEx ULD 14.0004X Issue 5.pdf](#)



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TYPE DESIGNATION

Nomenclature

Model	Beacon energy (Joules)	Rated Voltage	Suffix
D2xS1 (Sounder)		AC115	Up to 4 alpha numeric characters, not associated with equipment certification
		AC230	
		DC024	
		DC048	
D2xC1X (sounder beacon)	05, 10	AC115	
		AC230	
		DC024	
		DC048	
D2xB1X (beacon)	05	DC024	
		DC048	
		AC115	
		AC230	
	10	DC024	
		DC048	
		AC115	
		AC230	
D2xB1LD2 (LED beacon)	-	DC024	
	-	AC115	
	-	AC230	
D2xB1LD3 (LED beacon)	-	DC024	
D2xC2X	05	DC024	
		DC048	
		AC115	
		AC230	
D2xC2X	10	DC024	
		DC048	
		AC115	
		AC230	
D2xC2LD2	-	DC024	
		DC048	
		AC115	
		AC230	
D2xC2LD3 (LED beacon)	-	DC024	
D2xJ1T	-	-	
D2xJ1D	-	-	
D2xB1XH1	-	DC024	Up to 4 alpha numeric characters, not associated with equipment certification
D2xB1XH2	-	DC024	
D2xC2XH1	-	DC024	
D2xC2XH2	-	DC024	



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Electrical Ratings:

Model	Electrical Ratings			
	DC	AC	Hz	Max. Amps, mA
D2xS1DC024	10-30	-	-	313
D2xS1DC048	38-58	-	-	218
D2xS1AC115	-	103.5-126.5	60	91
D2xS1AC230	-	207-253	50	72
D2xC1X05DC024	20-28	-	-	521
D2xC1X05DC048	42-58	-	-	328
D2xC1X05AC115	-	115-125	60	183
D2xC1X05AC230	-	215-250	50	77
D2xC1X10DC024	20-28	-	-	876
D2xC1X10DC048	42-58	-	-	475
D2xC1X10AC115	-	115-125	60	343
D2xC1X10AC230	-	215-250	50	115
D2xB1X05DC024	20-28	-	-	296
D2xB1X05DC048	48	-	-	145
D2xB1X05AC115	-	115-120	50/60	80
D2xB1X05AC230	-	220-230	50/60	30
D2xB1X10DC024	20-28	-	-	609
D2xB1X10DC048	48	-	-	260
D2xB1X10AC115	-	115-120	50/60	185
D2xB1X10AC230	-	220-230	50/60	107
D2xB1LD2DC024	18-54	-	-	346
D2xB1LD2AC115	-	115-120	50/60	102.4
D2xB1LD2AC230	-	220-230	50/60	75
D2xB1LD3DC024	16-33	-	-	528
D2xC2X05DC024	20-28	-	-	296+313
D2xC2X05DC048	48	-	-	145+218
D2xC2X05AC115	-	115-120	50/60	80+91
D2xC2X05AC230	-	220-230	50/60	30+72
D2xC2X10DC024	20-28	-	-	609+313
D2xC2X10DC048	48	-	-	260+218
D2xC2X10AC115	-	115-120	50/60	185+91
D2xC2X10AC230	-	220-230	50/60	107+72
D2xC2LD2DC024	24	-	-	346+313
D2xC2LD2DC048	48	-	-	115+218
D2xC2LD2AC115	-	115-120	50/60	102.4+91
D2xC2LD2AC230	-	220-230	50/60	75+72
D2xC2LD3DC024	16-33	-	-	528+250
D2xJ1T	54 Max	230 Max	50/60	10A Max
D2xJ1D	54 Max	230 Max	50/60	10A Max
D2xB1XH1DC024	20-28	-	-	296
D2xB1XH2DC024	20-28	-	-	609
D2xC2XH1DC024	20-28	-	-	449
D2xC2XH2DC024	20-28	-	-	785



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Temperature range and class for each Model Series:

Model	Type of protection	Temperature Class	Associated Maximum Ambient Temperature
D2XS1	Ex ec IIC	T4 (<135°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T90°C	-40°C ≤ Tamb ≤ +50°C
D2XC1X05	Ex ec IIC	T2 (<300°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T90°C	-40°C ≤ Tamb ≤ +50°C
D2XC1X10	Ex ec IIC	T2 (<300°C)	-40°C ≤ Tamb ≤ +40°C
	Ex ec IIC	T1 (<450°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T110°C	-40°C ≤ Tamb ≤ +50°C
D2xB1LD2	Ex ec IIC	T4(<135°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T75°C	-40°C ≤ Tamb ≤ +50°C
D2xB1LD3	Ex ec IIC	T4(<135°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T75°C	-40°C ≤ Tamb ≤ +50°C
D2xB1X05DC024	Ex ec IIC	T2(<300°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T80°C	-40°C ≤ Tamb ≤ +50°C
D2xB1X05DC048 D2xB1X05AC115 D2xB1X05AC230	Ex ec IIC	T3(<200°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T95°C	-40°C ≤ Tamb ≤ +50°C
D2xB1X10DC024	Ex ec IIC	T1(<450°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T105°C	-40°C ≤ Tamb ≤ +50°C
D2xB1X10DC048 D2xB1X10AC115 D2xB1X10AC230	Ex ec IIC	T2(<300°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T95°C	-40°C ≤ Tamb ≤ +50°C
D2xC2X05DC024	Ex ec IIC	T3(<200°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T75°C	-40°C ≤ Tamb ≤ +50°C
D2xC2X05DC048 D2xC2X05AC115 D2xC2X05AC230	Ex ec IIC	T3(<200°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T95°C	-40°C ≤ Tamb ≤ +50°C
D2xC2X10DC024	Ex ec IIC	T2(<300°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T85°C	-40°C ≤ Tamb ≤ +50°C
D2xC2X10DC048 D2xC2X10AC115 D2xC2X10AC230	Ex ec IIC	T2(<300°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T95°C	-40°C ≤ Tamb ≤ +50°C



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Temperature range and class for each Model Series (Cond.):

Model	Type of protection	Temperature Class	Associated Maximum Ambient Temperature
D2xC2LD2	Ex ec IIC	T4(<135°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T75°C	-40°C ≤ Tamb ≤ +50°C
D2xC2LD3	Ex ec IIC	T4(<135°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T75°C	-40°C ≤ Tamb ≤ +50°C
D2xJ1T	Ex ec IIC	T6(<85°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T55°C	-40°C ≤ Tamb ≤ +50°C
D2xJ1D	Ex ec IIC	T6(<85°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T55°C	-40°C ≤ Tamb ≤ +50°C
D2xB1XH1DC024	Ex ec IIC	T2(<300°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T80°C	-40°C ≤ Tamb ≤ +50°C
D2xB1XH2DC024	Ex ec IIC	T1 (<450°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T105°C	-40°C ≤ Tamb ≤ +50°C
D2xC2XH1DC024	Ex ec IIC	T3(<200°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T75°C	-40°C ≤ Tamb ≤ +50°C
D2xC2XH2DC024	Ex ec IIC	T2(<300°C)	-40°C ≤ Tamb ≤ +50°C
	Ex tc IIIC	T85°C	-40°C ≤ Tamb ≤ +50°C



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MARKING

Marking has to be readable and indelible; it has to include the following indications:

Note: Label 1 & 2 are both applied to the appropriate equipment incorporating relevant protection concept information, warning and cautionary markings.

D2xS1DC024A1R
Alarm Horn

Voltage: 10-30VDC
Nominal Current: 250mA
Max Current: 313mA @ 24VDC

II 3G
II 3D

Ex ec IIC T4 Gc Ta -40°C to +50°C
Ex to IIIC T90°C Dc Ta -40°C to +50°C

Canada
Ex ec IIC T4A Gc X Ta -40°C to +50°C
Ex to IIIC T90°C Dc Ta -40°C to +50°C
Class II Division 2 EFG T5 Ta -40°C to +50°C

2 x cable entries M20 x 1.5mm.
Use heat resistant cables and glands (rated 90°C)

IP66 DEMKO 14ATEX4786493904X
Type 4 / 4X / 13 / 3R IECEX ULD14.0004X
Year / Serial No. 14/01D1200001

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

D2xS1 PRODUCT LABEL 1

D2xS1 ALARM HORN

USA / Canada
Class I Division 2 ABCD T3C Ta -40°C to +70°C
Class I Division 2 ABCD T4 Ta -40°C to +65°C
Class I Division 2 ABCD T4A Ta -40°C to +50°C
Class II Division 2 FG T5 Ta -40°C to +50°C
Class II Division 2 FG T6 Ta -40°C to +45°C
Class III Division 1 & 2 Ta -40°C to +50°C

USA
Class I Zone 2 AEx ec IIC T4 Gc Ta -40°C to +50°C
Zone 22 AEx to IIIC T90°C Dc Ta -40°C to +50°C

WARNING - POTENTIAL ELECTROSTATIC CHARGING
HAZARD - CLEAN ONLY WITH A DAMP CLOTH
WARNING - DO NOT OPEN WHEN AN EXPLOSIVE
ATMOSPHERE IS PRESENT

AVERTISSEMENT - NE PAS OUVRIR UN PRÉSENCE D'ATMOSPHÈRE
EXPLOSIVE

AVERTISSEMENT - DANGER POTENTIEL CHARGE ÉLECTROSTATIQUE
- NETTOYER UNIQUEMENT AVEC UN CHIFFON HUMIDE

Audible Signaling Appliance For Use In Hazardous Locations

D2xS1 PRODUCT LABEL 2

D2xC1X05DC024A1R/C
ALARM HORN/STROBE

Voltage: 20-28VDC
Nominal Current: 513mA
Max Current: 521mA @ 20VDC

II 3G
II 3D

Ex ec IIC T2 Gc Ta -40°C to +50°C
Ex to IIIC T90°C Dc Ta -40°C to +50°C

Canada
Ex ec IIC T2B Gc X Ta -40°C to +50°C
Ex ec IIC T2C Gc X Ta -40°C to +45°C
Ex to IIIC T120°C Dc Ta -40°C to +50°C
Class II Division 2 EFG T4A Ta -40°C to +50°C

2 x cable entries M20 x 1.5mm.
Use heat resistant cables and glands (rated 90°C)

IP66 DEMKO 14ATEX4786493904X
Type 4 / 4X / 13 / 3R IECEX ULD14.0004X
Year / Serial No. 14/01D5200001

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

D2xC1X05 PRODUCT LABEL 1

D2xC1X05 ALARM HORN/STROBE

USA / Canada
Class I Division 2 ABCD T2B Ta -40°C to +70°C
Class I Division 2 ABCD T2C Ta -40°C to +50°C
Class I Division 2 ABCD T2D Ta -40°C to +40°C
Class II Division 2 FG T5 Ta -40°C to +50°C
Class III Division 1 & 2 Ta -40°C to +50°C

USA
Class I Zone 2 AEx ec IIC T2 Gc Ta -40°C to +50°C
Zone 22 AEx to IIIC T120°C Dc Ta -40°C to +50°C

WARNING - POTENTIAL ELECTROSTATIC CHARGING
HAZARD - CLEAN ONLY WITH A DAMP CLOTH
WARNING - DO NOT OPEN WHEN AN EXPLOSIVE
ATMOSPHERE IS PRESENT

AVERTISSEMENT - NE PAS OUVRIR UN PRÉSENCE D'ATMOSPHÈRE
EXPLOSIVE

AVERTISSEMENT - DANGER POTENTIEL CHARGE ÉLECTROSTATIQUE
- NETTOYER UNIQUEMENT AVEC UN CHIFFON HUMIDE

Audible & Visual Signaling Appliance For
Use In Hazardous Locations
Not To Be Used As A Visual Public Mode Alarm Notification Appliance

D2xC1X05 PRODUCT LABEL 2



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D2xC1X10DC024R/C
ALARM HORN/STROBE

Voltage: 20-28VDC
Nominal Current: 876mA
Max Current: 876mA @ 20VDC

II 3G
II 3D

Ex ec IIC T1 Gc Ta -40°C to +50°C
Ex ec IIC T2 Gc Ta -40°C to +40°C
Ex to IIIC T110°C Dc Ta -40°C to +50°C
Canada
Ex ec IIC T1 Gc X Ta -40°C to +50°C
Ex ec IIC T2 Gc X Ta -40°C to +40°C
Ex to IIIC T120°C Dc Ta -40°C to +50°C
Class II Division 2 EFG T4A Ta -40°C to +50°C

2 x cable entries M20 x 1.5mm.
Use heat resistant cables and glands (rated 90°C)

IP66
Type 4 / 4X / 13 / 3R
Year / Serial No. 14/01D6200001

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

D2xC1X10 PRODUCT LABEL 1

D2xC1X10 ALARM HORN/STROBE

USA / Canada
Class I Division 2 ABCD T1 Ta -40°C to +70°C
Class I Division 2 ABCD T2 Ta -40°C to +50°C
Class II Division 2 FG T4A Ta -40°C to +50°C
Class II Division 2 FG T5 Ta -40°C to +40°C
Class III Division 1 & 2 Ta -40°C to +50°C

USA
Class I Zone 2 AEx ec IIC T1 Gc Ta -40°C to +50°C
Class I Zone 2 AEx ec IIC T2 Gc Ta -40°C to +40°C
Zone 22 AEx to IIIC T120°C Dc Ta -40°C to +50°C

WARNING - POTENTIAL ELECTROSTATIC CHARGING
HAZARD - CLEAN ONLY WITH A DAMP CLOTH
WARNING - DO NOT OPEN WHEN AN EXPLOSIVE
ATMOSPHERE IS PRESENT
AVERTISSEMENT - NE PAS OUVRIR UN PRÉSENCE D'ATMOSPHÈRE
EXPLOSIVE
AVERTISSEMENT - DANGER POTENTIEL CHARGE ÉLECTROSTATIQUE -
NETTOYER UNIQUEMENT AVEC UN CHIFFON HUMIDE
Audible & Visual Signalling Appliance For
Use In Hazardous Locations
Not To Be Used As A Visual Public Mode Alarm Notification Appliance

D2xC1X10 PRODUCT LABEL 2

WARNING:
DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
DO NOT OPEN WHEN ENERGISED
POTENTIAL ELECTROSTATIC CHARGING HAZARD - CLEAN ONLY WITH A DAMP CLOTH
HIGH VOLTAGE SHOCK HAZARD. WAIT 5 MINUTES AFTER REMOVING POWER BEFORE OPENING THE ENCLOSURE DO NOT PAINT

AVERTISSEMENT:
NE PAS OUVRIR UN PRESENCE D'ATMOSPHÈRE EXPLOSIVE
NE PAS OUVRIR ENERGIE
DANGER POTENTIEL CHARGE ÉLECTROSTATIQUE - NETTOYER UNIQUEMENT AVEC UN CHIFFON HUMIDE
HAUT TENSION, RISK DE CHOC. ATTENDEZ 5 MINUTES APRES
AVOIR DEBRANCHE L'ALIMENTATION AVANT D'OUVRIR LA BOITIER
NE PAS PEINTURER

D2xC2XH1DC024

Voltage: 24VDC
Max Current Combined Unit: 446mA
Range: 20-28VDC

For detailed current & light output ratings, see instructions D211-00-251-1S-3D
Cable entries: 2-off M20 & 1-off 1" NPT

Regulated
Range: 20-28VDC

Systems - Public Mode SPL at 10 feet: 92.2 dB(A)

II 3G
II 3D

Ex ec IIC T3 Gc X Ta -40°C to +50°C
Ex to IIIC T3 75°C Dc X Ta -40°C to +50°C

NEC / CEC Class / Div
Class I Division 2 ABCD T3 Ta -40°C to +50°C
Class II Division 2 FG T6 Ta -40°C to +50°C
Class III Div 1 & 2 Ta -40°C to +50°C

CEC Class / Zone
Class I Zone 2 AEx ec IIC T3 Gc X Ta -40°C to +50°C
Zone 22 AEx to IIIC T3 75°C Dc X Ta -40°C to +50°C

NEC Class / Zone
Class I Zone 2 AEx ec IIC T3 Gc X Ta -40°C to +50°C
Zone 22 AEx to IIIC T3 75°C Dc X Ta -40°C to +50°C

Visual Signal Appliance for Use In Hazardous Locations
Candela: 18,18cd 1Hz - Flash Pulse 2.0ms
If Clear or Red Lens & Guard are present, unit is Private Mode Only

IP66 Type 4/4X/3R/13
Use Heat Resistant Cables and Glands (rated 95°C)

Year / Serial No. 17/1DH2XXXXXX

Impress House, Mansell Rd, London UK W3 7QH

D2xC2 / D2xJ1 PRODUCT LABEL 1

D2xB1, D2xC2 and D2xJ1 Warning label

D2xB1X05DC024

Voltage: 24VDC
Max Current: 296mA
Range: 20-28VDC

Regulated
Range: 20-28VDC

For detailed current & light output ratings, see instructions D211-00-251-1S-3D
Cable entries: 2-off M20 x 1.5mm, 2-off 1/2" NPT & 1-off 3/4" NPT

IP66
Type 4 / 4X / 3R / 13
Year / Serial No. 17/1DH2XXXXXX

Impress House, Mansell Rd, London UK W3 7QH

D2xB1 PRODUCT LABEL 1

ATEX / IECEx

II 3G
II 3D

Ex ec IIC T2 Gc X Ta -40°C to +50°C
Ex to IIIC 80°C Dc X Ta -40°C to +50°C

NEC / CEC Class / Div
Class I Division 2 ABCD T2D Ta -40°C to +50°C
Class I Division 2 ABCD T3 Ta -40°C to +45°C
Class II Division 2 FG T6 Ta -40°C to +50°C
Class III Div 1 & 2 Ta -40°C to +50°C

Use Heat Resistant Cables and Glands (rated 85°C)

D2xB1 PRODUCT LABEL 3

ROUTINE EXAMINATIONS AND TESTS

The xenon lamp assembly shall be routinely dielectrically strength tested. Tests shall be performed as described in IEC 60079-7 clause 6.1.

The D2xJ1 assembly shall be routinely dielectrically strength tested. The tests shall be performed as described in IEC 60079-7 clause 6.1.