



# STExS1FAC230-A

**STExS1F**  
**STExS1AC230**

Alarm Horn Sounder  
**STExS1FAC230AS1A1R**

Voltage Range: 100-240 Vac 50/60 Hz  
Max Current: 80 mA

Nominal Voltage (Vac 50/60Hz): 115 230  
Nominal Current (mA): 73 48

Type 4 / 4X / 3R / 13

IP66 to EN/IEC60079-0 and EN/IEC60529

Year / Serial No.: 00/SS13000000

Made in the United Kingdom

CE 2813 UK CA 0518 Ex II 2G II 2D

DEMKO 16ATEX1466X  
IECEX ULD 16.0017X  
UL21UKEX2019X

Ex db IIC T6 Gb Ta -50° to +65°C  
Ex db IIC T5 Gb Ta -50° to +70°C  
Ex db IIC T82°C Db Ta -50° to +70°C

**WARNINGS:** DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT. POTENTIAL ELECTROSTATIC HAZARD - CLEAN ONLY WITH DAMP CLOTH. M20 x 1.5 ENTRIES - IF TEMPERATURE EXCEEDS 60°C AT ENTRY OR 60°C AT BRANCHING POINT USE SUITABLY RATED CABLE AND CABLE GLANDS - SEE INSTRUCTIONS.

European Safety Systems Ltd. www.e2s.com Impress House, Mansell Road, London UK, W3 7QH

**STExS1FAC230-A**

NEC Class / Zone:  
Class I Zone 1 AEx db IIC T5 Gb Ta -50°C to +70°C  
Class I Zone 1 AEx db IIC T6 Gb Ta -50°C to +65°C

CEC Class / Zone:  
Ex db IIC T5 Gb Ta -50°C to +70°C  
Ex db IIC T6 Gb Ta -50°C to +65°C

NEC / CEC Class / Div  
Class I Div 2 Group ABCD T5 Ta -50°C to +70°C  
Class I Div 2 Group ABCD T6 Ta -50°C to +65°C

SAFETY SIGNALING SCS E230764

Audible-Signal Appliance, Fire Alarm, for Use in Hazardous Locations

Location: Suitable for Indoor and Outdoor Use.

**AVERTISSEMENT:** NE PAS OUVRIR UN PRESENCE D'ATMOSPHERE EXPLOSIVE. DANGER POTENTIEL CHARGE ELECTROSTATIQUE - NETTOYER UNIQUEMENT AVEC UN CHIFFON HUMIDE.

Label 1  
(60 x 45 mm)

Label 2  
(60 x 45 mm)

Label data for STExS1F and STExS1R 230 Vac (STExS1F shown).

# STExS2FAC230-A

**STExS2F**  
**STExS2AC230**

Alarm Horn Sounder  
**STExS2FAC230AS1A1R**

Voltage Range: 100-240 Vac 50/60 Hz  
Max Current P2/P3: 138/325 mA

Nominal Voltage (Vac 50/60Hz): 115 230  
Nominal Current P2/P3 (mA): 125/282 78/167

Type 4 / 4X / 3R / 13

IP66 to EN/IEC60079-0 and EN/IEC60529

Year / Serial No.: 00/SS23000001

Made in the United Kingdom

CE 2813 UK CA 0518 Ex II 2G II 2D

DEMKO 16ATEX1466X  
IECEX ULD 16.0017X  
UL21UKEX2019X

Ex db IIC T6 Gb Ta -50° to +65°C  
Ex db IIC T5 Gb Ta -50° to +70°C  
Ex db IIC T84°C Db Ta -50° to +70°C

**WARNINGS:** DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT. POTENTIAL ELECTROSTATIC HAZARD - CLEAN ONLY WITH DAMP CLOTH. M20 x 1.5 ENTRIES - IF TEMPERATURE EXCEEDS 60°C AT ENTRY OR 60°C AT BRANCHING POINT USE SUITABLY RATED CABLE AND CABLE GLANDS - SEE INSTRUCTIONS.

European Safety Systems Ltd. www.e2s.com Impress House, Mansell Road, London UK, W3 7QH

**STExS2FAC230-A**

NEC Class / Zone:  
Class I Zone 1 AEx db IIC T5 Gb Ta -50°C to +70°C  
Class I Zone 1 AEx db IIC T6 Gb Ta -50°C to +65°C

CEC Class / Zone:  
Ex db IIC T5 Gb Ta -50°C to +70°C  
Ex db IIC T6 Gb Ta -50°C to +65°C

NEC / CEC Class / Div  
Class I Div 2 Group ABCD T5 Ta -50°C to +70°C  
Class I Div 2 Group ABCD T6 Ta -50°C to +65°C

SAFETY SIGNALING SCS E230764

Audible-Signal Appliance, Fire Alarm, for Use in Hazardous Locations

Location: Suitable for Indoor and Outdoor Use.

**AVERTISSEMENT:** NE PAS OUVRIR UN PRESENCE D'ATMOSPHERE EXPLOSIVE. DANGER POTENTIEL CHARGE ELECTROSTATIQUE - NETTOYER UNIQUEMENT AVEC UN CHIFFON HUMIDE.

Label 1  
(60 x 45 mm)

Label 2  
(60 x 45 mm)

Label data for STExS2F and STExS2H 230 Vac (STExS2F shown).

ISSUE	MOD No.	INITIAL/DATE
1		INTRODUCTION DH 24-01-2022
2		ADDED UL & UKCA APPROVALS MA 17-05-2022
3	ACN0172	ADDED UL464 APPROVAL MA 07-10-2025

DRAWING TO BS8888:2000  
GEOMETRIC TOLERANCES TO ISO1101:1983  
LINEAR DIMENSIONAL TOLS +/-0.35mm  
ANGULAR DIMENSIONAL TOLS +/-2 deg

STANDARDS  
**STExS1 & S2  
SOUNDERS**

DRAWN	DATE	24-01-22
<b>D.HOWGILL</b>		
CHECKED	DATE	24-01-22
<b>R.N.POTTS</b>		
APPROVED	DATE	24-01-22
<b>R.N.POTTS</b>		

SURFACE FINISH	WEIGHT (Kg)
MATERIAL	<b>SEE NOTE</b>
ALTERNATIVE MATERIAL	

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.  
AS PER LATEST DATE OF ISSUE SHOWN ABOVE

warning signals

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
TITLE <b>STExS1 &amp; S2 Ex 'd' SOUNDER PRODUCT LABEL</b>				
SCALE <b>NTS</b>	SHEET 1 of 3	DRAWING NUMBER <b>D199-09-001</b>		

STExS1FDC024-S

STExS1F Alarm Horn Sounder  
STExS1FDC024-S  
SIL Res.:  
Voltage Range: 20-28 Vdc  
Max Current: 221 mA  
Nominal Voltage (Vdc): 24  
Nominal Current (mA): 185  
Type 4 / AX / 3R / 13  
IP66 to EN/IEC60079-0 and EN/IEC60529  
Year / Serial No.: 00/SS12000000  
Made in the United Kingdom  
CE 2813 UK CA 0518 Ex II 2G II 2D Ex db IIC T6 Gb Ta -50° to +65°C  
Ex db IIC T5 Gb Ta -50° to +70°C  
Ex tb IIC T62°C Db Ta -50° to +70°C  
IP66 to EN/IEC60079-0 and EN/IEC60529  
Year / Serial No.: 00/SS12000000  
Made in the United Kingdom  
CE 2813 UK CA 0518 Ex II 2G II 2D Ex db IIC T6 Gb Ta -50° to +65°C  
Ex db IIC T5 Gb Ta -50° to +70°C  
Ex tb IIC T62°C Db Ta -50° to +70°C  
WARRANTIES: DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT. POTENTIAL ELECTROSTATIC HAZARD - CLEAN ONLY WITH DAMP CLOTH. M20 x 1.5 ENTRIES - IF TEMPERATURE EXCEEDS 60°C AT ENTRY OR 60°C AT BRANCHING POINT USE SUITABLY RATED CABLE AND CABLE GLANDS - SEE INSTRUCTIONS.  
e2s European Safety Systems Ltd. Impress House, Mansell Road, London UK, W3 7QH

STExS1FDC024-S  
NEC Class / Zone:  
Class I Zone 1 AEx db IIC T5 Gb Ta -50°C to +70°C  
Class I Zone 1 AEx db IIC T6 Gb Ta -50°C to +65°C  
CEC Class / Zone:  
Ex db IIC T5 Gb Ta -50°C to +70°C  
Ex db IIC T6 Gb Ta -50°C to +65°C  
NEC / CEC Class / Div  
Class I Div 2 Group ABCD T5 Ta -50°C to +70°C  
Class I Div 2 Group ABCD T6 Ta -50°C to +65°C  
UL CERTIFIED SAFETY SIGNALING DECS E230764  
Audible-Signal Appliance, Fire Alarm, for Use in Hazardous Locations  
Location: Suitable for Indoor and Outdoor Use.  
AVERTISSEMENT: NE PAS OUVRIR UN PRESENCE D'ATMOSPHERE EXPLOSIVE. DANGER POTENTIEL CHARGE ELECTROSTATIQUE - NETTOYER UNIQUEMENT AVEC UN CHIFFON HUMIDE.

STExS1F  
STExS1FDC024-S  
Audible Signaling Appliance  
Voltage Range: 20-28 Vdc Special Application  
Max Current: 221 mA  
Nominal Voltage (Vdc): 24  
Nominal Current (mA): 185  
-50°C/-58°F to +70°C/+158°F  
Minimum SPL at 10 feet: 90.13 dB(A) (worst case @20 Vdc)  
Location: Suitable for Indoor and Outdoor Wet Use.  
Refer to: D199-00-001-IS-UL Issue A

Label 1  
(60 x 45 mm)

Label 2  
(60 x 45 mm)

Label 3  
(60 x 30 mm)

Label data for STExS1F and STExS1R (SIL version) 24 Vdc (STExS1F shown).

STExS2FDC024-S

STExS2F Alarm Horn Sounder  
STExS2FDC024-S  
SIL Res.:  
Voltage Range: 20-28 Vdc  
Max Current P2/P3: 324/740 mA  
Nominal Voltage (Vdc): 24  
Nominal Current P2/P3 (mA): 324/740  
Type 4 / AX / 3R / 13  
IP66 to EN/IEC60079-0 and EN/IEC60529  
Year / Serial No.: 00/SS22000001  
Made in the United Kingdom  
CE 2813 UK CA 0518 Ex II 2G II 2D Ex db IIC T6 Gb Ta -50° to +55°C  
Ex db IIC T5 Gb Ta -50° to +70°C  
Ex tb IIC T94°C Db Ta -50° to +70°C  
IP66 to EN/IEC60079-0 and EN/IEC60529  
Year / Serial No.: 00/SS22000001  
Made in the United Kingdom  
CE 2813 UK CA 0518 Ex II 2G II 2D Ex db IIC T6 Gb Ta -50° to +55°C  
Ex db IIC T5 Gb Ta -50° to +70°C  
Ex tb IIC T94°C Db Ta -50° to +70°C  
WARRANTIES: DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT. POTENTIAL ELECTROSTATIC HAZARD - CLEAN ONLY WITH DAMP CLOTH. M20 x 1.5 ENTRIES - IF TEMPERATURE EXCEEDS 60°C AT ENTRY OR 60°C AT BRANCHING POINT USE SUITABLY RATED CABLE AND CABLE GLANDS - SEE INSTRUCTIONS.  
e2s European Safety Systems Ltd. Impress House, Mansell Road, London UK, W3 7QH

STExS2FDC024-S  
NEC Class / Zone:  
Class I Zone 1 AEx db IIC T5 Gb Ta -50°C to +70°C  
Class I Zone 1 AEx db IIC T6 Gb Ta -50°C to +55°C  
CEC Class / Zone:  
Ex db IIC T5 Gb Ta -50°C to +70°C  
Ex db IIC T6 Gb Ta -50°C to +55°C  
NEC / CEC Class / Div  
Class I Div 2 Group ABCD T5 Ta -50°C to +70°C  
Class I Div 2 Group ABCD T6 Ta -50°C to +55°C  
UL CERTIFIED SAFETY SIGNALING DECS E230764  
Audible-Signal Appliance, Fire Alarm, for Use in Hazardous Locations  
Location: Suitable for Indoor and Outdoor Use.  
AVERTISSEMENT: NE PAS OUVRIR UN PRESENCE D'ATMOSPHERE EXPLOSIVE. DANGER POTENTIEL CHARGE ELECTROSTATIQUE - NETTOYER UNIQUEMENT AVEC UN CHIFFON HUMIDE.

STExS2F  
STExS2FDC024-S  
Audible Signaling Appliance  
Voltage Range: 20-28 Vdc Special Application  
Max Current P2/P3: 324/740 mA  
Nominal Voltage (Vdc): 24  
Nominal Current P2/P3 (mA): 324/740  
-50°C/-58°F to +70°C/+158°F  
Minimum P2/P3 SPL at 10 feet: 93.7/197.47 dB(A) (worst case @20 Vdc)  
Location: Suitable for Indoor and Outdoor Wet Use.  
Refer to: D199-00-001-IS-UL Issue A

Label 1  
(60 x 45 mm)

Label 2  
(60 x 45 mm)

Label 3  
(60 x 30 mm)

Label data for STExS2F and STExS2H (SIL version) 24 Vdc (STExS2F shown).

ISSUE	MOD No.	INITIAL/DATE
1		INTRODUCTION DH 24-01-2022
2		ADDED UL & UKCA APPROVALS MA 17-05-2022
3	ACN0172	ADDED UL464 APPROVAL MA 07-10-2025

DRAWING TO BS8888:2000  
GEOMETRIC TOLERANCES TO ISO1101:1983  
LINEAR DIMENSIONAL TOLS +/-0.35mm  
ANGULAR DIMENSIONAL TOLS +/-2 deg

STANDARDS  
STExS1 & S2  
SOUNDERS

DRAWN	DATE	24-01-22
D.HOWGILL		
CHECKED	DATE	24-01-22
R.N.POTTS		
APPROVED	DATE	24-01-22
R.N.POTTS		

SURFACE FINISH	WEIGHT (Kg)
MATERIAL	SEE NOTE
ALTERNATIVE MATERIAL	

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.  
AS PER LATEST DATE OF ISSUE SHOWN ABOVE

**e2s**  
warning signals

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
TITLE <b>STExS1 &amp; S2 Ex 'd' SOUNDER</b> PRODUCT LABEL			
SCALE NTS	SHEET 3 of 3	DRAWING NUMBER D199-09-001	