

ATEX Combination Alarm

UL Cl 1 Div 2, 116dB, 5 Joule


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MODEL TYPES

E2XCS112-5R > Combination Alarm

FEATURES

- > Very large termination area.
- > Ratchet adjustable stainless steel 'U' bracket.
- > Stainless Steel dome guard as standard
- > Xenon tube mechanically secured against vibration/shock.
- > User replaceable Xenon tube assembly.
- > Automatic synchronization on multi-sounder system.

INFORMATION

The hazardous area E2xCS112-5R combined radial alarm sounder and Xenon strobe beacon is UL/cULs approved for Class I Div 2 and Class II Div 2 as well as IECEx and ATEX certified for Zone 2 and 22 applications.

ORDERING INFORMATION

Product Code (0)	> E2xCS1125
Horn (1)	> R (omni-direction radial buzzer)
Voltage (2)	> DC024 (20-28V dc) , AC115 (115-120V ac) , AC230 (220-240V ac)
Cable Type (3)	> A (1x1/2'NPT & 2 x M20 x 1.5mm), B (1x1/2'NPT & 2 x 1/2'NPT), C (1x1/2'NPT & 2 x 3/4'NPT)
Adapter Mat. (4)	> B (Brass), N (Nickel Plated), S (Stainless Steel)
Bracket Mat. (5)	> 1 (A2 304 Stainless Steel), 2 (A4 316 Stainless Steel)
Product Version (6)	> A1 (UL, cULs, IECEx & ATEX)
Enclosure Color (7)	> B (Black)
Lens Color (8)	> R (Red), A (Amber), G (Green), B (Blue), C (Clear), Y (Yellow)
Example	> ordering - (0) (1) (2) (3) (4) (5) (6) (7) (8) E2xCS1125-R-AC230-A-B-1-A1-B-R

Specification

Alarm Sounder:

Maximum output:	116dB(A) @ 1 metre [107dB(A) @ 10ft/3m]
Nominal output:	113dB(A) @ 1m +/- 3dB - Tone 2 [104dB(A) @ 10ft/3m]
No. of tones:	45 (UKOOA/PFEER compliant)
No. of stages:	3
Volume control:	Max. 113dB(A) Min. 105dB(A) - Tone 2
Effective range:	100m/328ft @ 1KHz

Beacon:

Energy:	5 Joules (5Ws)
Flash rate:	1Hz (60 fpm)
Peak Candela:	500,000 cd - calculated from energy (J)
Effect. Intensity cd:	250 cd - calculated from energy (J)
Peak Candela:	31,950 cd* - measured ref. to I.E.S.
Effect. Intensity cd:	101 cd* - measured ref. to I.E.S.
Lens colours:	Amber, Blue, Clear, Green, Red & Yellow

General:

Voltages:	24vdc; 48vdc; 115vac; 230vac
Ingress protection:	IECEX/ATEX: IP66 & IP67 UL: Type 4, 4X & 13
Housing material:	UL94V0 PPS & ABS
Cable entries:	Dual M20x1.5 or 1/2"NPT
Terminals:	0.5 to 2.5mm ² - In and Out
Weight:	DC: 3.00Kg/6.6lbs AC: 3.50kg/7.7lbs

* All candela data is representative of performance with clear lens at optimum voltage.

Part Codes

Part Code: Ident.: Description:

Product type:	E2xCS1125	
Horn type:	R	Radial omni-directional horn
Voltage:	AC115	115V ac 50/60Hz
	AC230	230V ac 50/60Hz
	DC024	24V dc
	DC048	48V dc
Cable entries: [e]	A	M20x1.5 & 1/2" NPT
	B	M20x1.5 & M20x1.5
	C	1/2" NPT & 1/2" NPT
Bracket & Guard: [s]	1	304 (A2) Stainless Steel
	2	316 (A4) Stainless Steel
Version: [v]	A1	UL, cULs, IECEx & ATEX
Enclosure: [x]	B	Black
Lens colour: [y]	A	Amber
	B	Blue
	C	Clear
	G	Green
	R	Red
	Y	Yellow

e.g: E2x Combined unit with radial, omnidirectional horn
E2xCS1125RAC115A1A1B/Ain 115Vac
with one M20 cable entry and one 1/2"NPT entry.
Approved to IECEx, ATEX & UL.
Black enclosure with Amber lens.

Replacement Xenon flash tube: FTASSYE2X

Current Consumption

Version:	Alarm Sounder		Xenon Beacon	
	Voltage:	Current:	Voltage:	Current
24V dc	10-30V dc	284mA	20-28V dc	275mA
48V dc	38-58V dc	146mA	42-58V dc	145mA
115V ac 50/60Hz	+/-10%	104mA	+/-10%	80mA
230V ac 50/60Hz	+/-10%	54mA	+/-10%	30mA

*Candela measurements representative of performance with clear lens at optimum voltage. SPL readings are at nominal voltage, typically +/-3dB and are for indication purposes only. Where applicable, reduce outputs by 5dB when a 10-30vdc unit is supplied 12vdc.

Tone table

S 1	Description	S 2	S 3	S 1	Description	S 2	S 3
T 1	340 Hz Continuous	T 2	T 5	T 33	745Hz @ 1Hz Intermittent	T 2	T 5
T 2	800/1000Hz @ 0.25 sec Alternating	T 17	T 5	T 34	1000 & 2000Hz @ 0.5 sec Alternating - Singapore	T 38	T 45
T 3	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop	T 2	T 5	T 35	420Hz @ 0.625 sec Australian Alert	T 36	T 5
T 4	800/1000Hz @ 1Hz Sweeping	T 6	T 5	T 36	500-1200Hz 3.75sec /0.25sec. Australian Evac.	T 35	T 5
T 5	2400Hz Continuous	T 3	T 20	T 37	1000Hz Continuous - PFEER Toxic Gas	T 9	T 45
T 6	2400/2900Hz @ 7Hz Sweeping	T 7	T 5	T 38	2000Hz Continuous	T 34	T 45
T 7	2400/2900Hz @ 1Hz Sweeping	T 10	T 5	T 39	800Hz 0.25sec on, 1 sec off Intermittent	T 23	T 17
T 8	500/1200/500Hz @ 0.3Hz Sweeping	T 2	T 5	T 40	544Hz (100mS)/440Hz (400mS) - NF S 32-001	T 31	T 27
T 9	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.	T 15	T 2	T 41	Motor Siren - slow rise to 1200 Hz	T 2	T 5
T 10	2400/2900Hz @ 2Hz Alternating	T 7	T 5	T 42	Motor Siren - slow rise to 800 Hz	T 2	T 5
T 11	1000Hz @ 1Hz Intermittent	T 2	T 5	T 43	1200 Hz Continuous	T 2	T 5
T 12	800/1000Hz @ 0.875Hz Alternating	T 4	T 5	T 44	Motor Siren - slow rise to 2400 Hz	T 2	T 5
T 13	2400Hz @ 1Hz Intermittent	T 15	T 5	T 45	1KHz 1s on, 1s off Intermittent - PFEER Gen. ...	T 38	T 34
T 14	800Hz 0.25sec on, 1 sec off Intermittent	T 4	T 5				
T 15	800Hz Continuous	T 2	T 5				
T 16	660Hz 150mS on, 150mS off Intermittent	T 18	T 5				
T 17	544Hz (100mS)/440Hz (400mS) - NF S 32-001	T 2	T 27				
T 18	660Hz 1.8sec on, 1.8sec off Intermittent	T 2	T 5				
T 19	1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s -NFC48265	T 2	T 5				
T 20	660Hz Continuous	T 2	T 5				
T 21	554Hz/440Hz @ 1Hz Alternating	T 2	T 5				
T 22	544Hz @ 0.875 sec. Intermittent	T 2	T 5				
T 23	800Hz @ 2 Hz Intermittent	T 6	T 5				
T 24	800/1000Hz @ 50Hz Sweeping	T 29	T 5				
T 25	2400/2900Hz @ 50Hz Sweeping	T 29	T 5				
T 26	Bell	T 2	T 15				
T 27	554Hz Continuous	T 26	T 5				
T 28	440Hz Continuous	T 2	T 5				
T 29	800/1000Hz @ 7Hz Sweeping	T 7	T 5				
T 30	300Hz Continuous	T 2	T 5				
T 31	660/1200Hz @ 1Hz Sweeping	T 26	T 5				
T 32	Two T chime.	T 26	T 15				