



Declaration

ExGo

Fire Detection and Alarm & Gas Extinguishing System

Advanced Electronics Ltd declares that the EX-3000 CIE provided with optional functions as listed in Annex 1 and comprising of system components as listed in Annex 2 meets the requirements of:

EN54-13:2005 Fire detection and fire alarm systems – Compatibility assessment of system components

This declaration is prepared based on the results detailed in the test reports listed in Annex 3.

Authorised by:



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Annex 1 Options with requirements

Optional function with requirements	EN54-2 Clause
Output to fire alarm devices	7.8
Delays to outputs	7.11
Alarm counter	7.13
Total loss of the power supply	8.4
Test condition	10

Optional function with requirements	EN12094-1 Clause
Delay of extinguishing signal	4.17
Signal representing the flow of extinguishing agent	4.18
Monitoring of the status of components	4.19
Emergency hold device	4.20
Control of flooding time	4.21
Manual only mode	4.23
Triggering signals to equipment within the system	4.24
Triggering signals to equipment outside the system	4.26
Emergency abort device	4.27
Activation of alarm devices with different signals	4.30

Annex 2 System Components

Type / Part Number	Description	Certificate
Control and Indicating Equipment		
Ex-3001	Extinguishing Control Panel	0086-CPD-541661
CIE Components ¹		
Mxp-505	EOL Module – Sounder	G210022
CIE Components - Optional ²		
Ex-3020	Remote Status Indicator	
Ex-3021	Remote Status Indicator	
Ex-3030	Remote Status Indicator	
Ex-3031	Remote Status Indicator	
Exp-005	EOL Module – Switch	
Exp-007	Relay Module (2-Way)	
Exp-008	Relay Module (8-Way)	

¹ Items are assessed / tested for compatibility for component type 1 as part of the fire detection and alarm system.

² Items are assessed / tested for connectability for component type 2 as part of the extinguishing system.

Type / Part Number	Description	Certificate
Detection Devices		
Advanced		
20-S1000-ADV	Photoelectric Smoke Detector	0832-CPD-1421
20-S2000-ADV	Multi-Sensor Smoke Detector	³
20-S3500-ADV	Class A1R and B Heat Detector	0832-CPD-1425
ORB-HT-11001-ADV	ORBIS Heat Detector (A1R)	0832-CPD-0029
ORB-HT-11002-ADV	ORBIS Heat Detector (A2S)	0832-CPD-0030
ORB-HT-11003-ADV	ORBIS Heat Detector (BR)	0832-CPD-0031
ORB-HT-11004-ADV	ORBIS Heat Detector (BS)	0832-CPD-0032
ORB-HT-11005-ADV	ORBIS Heat Detector (CR)	0832-CPD-0033
ORB-HT-11006-ADV	ORBIS Heat Detector (CS)	0832-CPD-0034
ORB-OP-12001-ADV	ORBIS Optical Smoke	0832-CPD-0035
ORB-OH-13001-ADV	ORBIS Multil-Sensor Optical Smoke / Heat	0832-CPD-0036
55000-217ADV	S65 Ionisation Smoke	0832-CPD-0015
55000-317ADV	S65 Optical Smoke	0832-CPD-0021
55000-122ADV	S65 Heat Detector (A1R)	0832-CPD-0003
55000-127ADV	S65 Heat Detector (BR)	0832-CPD-0006
55000-132ADV	S65 Heat Detector (CR)	0832-CPD-0009
55000-137ADV	S65 Heat Detector (CS)	0832-CPD-0012
Apollo ⁴		
ORB-HT-11166-APO	ORBIS Heat Detector (A1S)	0832-CPD-0450
Hochiki		
DCD-AE3	Heat Detector (A1 / A1R)	0832-CPD-0116
DCD-CE3	Heat Detector (C / CR)	0832-CPD-0117
DFJ-AE3	Heat Detector (A1 / A1S)	0832-CPD-0118
DFJ-CE3	Heat Detector (C / CS)	0832-CPD-0119
DFG-60E	Heat Detector (A2) Water Resistant	0832-CPD-0120
DRD-E	Flame Detector	0832-CPD-1347
SLR-E3	Optical Smoke Detector	0832-CPD-0111
SLR-E3N	Optical Smoke Detector	0832-CPD-0614
SPC-ET	Optical Beam Detector	VdS G207153
Nittan		
EVC-DP	Optical Smoke Detector (Dual Optical)	0832-CPD-0542

³ Detector combines smoke and heat functions of 20-S1000-ADV and 20-S3500-ADV

⁴ Note: Apollo branded ORBIS or S65 devices with suffix APO instead of suffix ADV listed above are also compatible.

Type / Part Number	Description	Certificate
EVC-P	Optical Smoke Detector	0832-CPD-0220
EVC-H-A2S	Heat Detector (A2S)	0832-CPD-0224
EVC-H-CS	Heat Detector (CS)	0832-CPD-0225
EVC-IR	Flame Detector (Class 1)	0832-CPD-1081

Type / Part Number	Description	Certificate
Manual Call Points		
Advanced		
HM/3/11/02	MCP TYPE B (RED)	0786-CPD-20350
HM/3/11/01/02	MCP TYPE B (RED)	0786-CPD-20350
08-RP-RS-01	MCP TYPE A, Red, Surface mount	
08-RP-RS1-01	MCP TYPE A, Red, Surface mount, integral back box	
08-RP-RF-01	MCP TYPE A, Red, Flush mount	
08-WPR-R-01	MCP TYPE A, Red, Waterproof	

Type / Part Number	Description	Certificate
Trigger Devices ⁵		
Advanced		
EXP-010	MANUAL RELEASE - EN12094-3 TYPE B (YELLOW) (HM/1/11/17/02)	0786-CPD-20251
EXP-011	EMERGENCY STOP - EN12094-3 TYPE B (BLUE) (HM/5/11/18/02)	0786-CPD-20363
HM/5/11/02/02	MCP TYPE B (BLUE)	0786-CPD-20350
08-RP-YS-01	MCP TYPE A, Yellow, Surface mount	
08-RP-YS1-01	MCP TYPE A, Yellow, Surface mount, integral back box	
08-RP-YF-01	MCP TYPE A, Yellow, Flush mount	

⁵ Items are assessed / tested for connectability for component type 2 as part of the extinguishing system.

Type / Part Number	Description	Certificate
Advanced		
08-PSS-0003	Sonos Sounder Red (PSS-0084) - Shallow Base (PSO-0001)	0832-CPD-0298
08-PSS-0039	Sonos Sounder White(PSS-0089)- Shallow Base (PSO-0006)	0832-CPD-0298
08-PSS-0020	Sonos Sounder Red (PSS-0084) - Deep Base (PSO-0003)	0832-CPD-0298
08-PSS-0050	Sonos Sounder White (PSS-089) - Deep Base (PSO-0007)	0832-CPD-0298
08-PSC-0002	Sonos Sounder Beacon Red (PSS-0068) - Shallow Base (PSO-0001)	0832-CPD-0297
08-PSC-0013	Sonos Sounder Beacon Red (PSS-0068)- Deep Base (PSO-0003)	0832-CPD-0297
08-PSB-0009	Sonos Beacon Red - Shallow Base	N/A ⁶
08-PSB-0017	Sonos Beacon Red - Deep Base	N/A ⁶
08-PBS-0003	Sonos Base Sounder - White	0832-CPD- 0453
08-PBS-0011	Sonos Base Sounder Cover - White	N/A

⁶ Note: The date of compliance to CPD/CPR EN54-23 is 2013-12. The devices listed remain compatible but compliance with the CPD/CPR is not assured beyond the date of compliance or unless this declaration is updated. Beacons can be used as Type 2 devices.

Annex 3 Test documentation

Accredited Laboratory	Report Number	Date
BSI Product Services (UKAS 0135)	2244/7833223	2012-10-03