



Kitemark[®] Licence

No. KM 95744

The licence is granted to:

**Control Equipment Ltd
Hillcrest Business Park
Cinder Bank
Dudley
DY2 9AP
United Kingdom**

In respect of:

BS EN 54-2 & BS EN 54-4

This issues the right and licence to use the Kitemark in accordance with the Kitemark Licence Conditions of Contract governing the use of the Kitemark, as may be updated from time to time by The British Standards Institution, and as approved by the Registrar under the Trade Marks Act 1994 (the "Conditions"). All defined terms in this Licence shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Licence provided at or from the above address.

For and on behalf of BSI:

Gary Fenton, Global Assurance Director

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Kitemark[®] Licence

No. KM 95744

BS EN 54 Part 2: 1997 +A1 & AC and BS EN 54 Part 4: 1998 +A1 & A2

Model Reference	Type
T1232-C	32 Zone Conventional Marine CIE with Voyage Data Recorder o/p Module and 110 / 230 Vac Power Supply Equipment
T1216-C	16 Zone Conventional Marine CIE with Voyage Data Recorder o/p Module and 110 / 230 Vac Power Supply Equipment
T1216W-C	16 Zone Conventional Marine CIE with Water Mist o/p and 110 / 230 Vac Power Supply Equipment
T1204DC	4 Zone Conventional Marine CIE with 24Vdc Power Supply Equipment and T1200B Battery Box
T1204A1	4 Zone Conventional Marine CIE with 110Vac Power Supply Equipment and T1200B Battery Box
T1204A2	4 Zone Conventional Marine CIE with 230Vac Power Supply Equipment and T1200B Battery Box

*Certified for use with Thorn, ADT and Tyco conventional fire detection and alarm circuit devices.
Also certified as suitable for use with the following:*

Range of Repeater Panels:

T1216R-C 16 Zone Marine Repeater Panel without Power Supply Equipment [powered by the CIE]
T1232R-C 32 Zone Marine Repeater Panel without Power Supply Equipment [powered by the CIE]

Optional Modules:

C1633 8 Way Open Collector o/p Module
C1634 8 Way Volt Free Relay o/p Module
C1635 8 Way Fault Monitored Relay o/p Module

Expansion Units:

T1200E-C 4 o/p Module Expansion Unit without Power Supply Equipment
T1200B Battery Box
T1200B-C Battery Box

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Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2: 1997:

- Output to fire alarm devices (clause 7.8)
- Output to fire alarm routing equipment (clause 7.9.1)
- Output to fire protection equipment (clause 7.10.1)
- Total loss of power supply (clause 8.4)
- Output to fault warning routing equipment (clause 8.9)
- Test condition (clause 10)

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BS EN 54 Part 2: 1997 +A1 & AC and BS EN 54 Part 4: 1998 +A1 & A2

Model Reference	Type
Precept en 2	2 Zone Conventional Control and Indicating Equipment
Precept en 4	4 Zone Conventional Control and Indicating Equipment
Precept en 8	8 Zone Conventional Control and Indicating Equipment
Precept en 16	16 Zone Conventional Control and Indicating Equipment
Precept en 32	32 Zone Conventional Control and Indicating Equipment
Precept en 16L	16 Zone Conventional Control and Indicating Equipment in Large Enclosure

Certified for use with ADT, Apollo series 30, 60, 65 and Orbis, Fulleon, GLT Exports, Grinell, Hochiki, Honeywell, KAC, Nittan, System Sensor, Thorn, Tyco, Zettler and Ziton conventional fire detection and alarm circuit devices. Also certified as suitable for use with the following:

Range of repeater panels:

Precept en 8 repeater with 230Vac Power Supply Equipment and Battery Back-up
Precept en 16 repeater with 230Vac Power Supply Equipment and Battery Back-up
Precept en 32 repeater with 230Vac Power Supply Equipment and Battery Back-up
Precept en 8 repeater without Power Supply Equipment [powered by the CIE]
Precept en 16 repeater without Power Supply Equipment [powered by the CIE]
Precept en 32 repeater without Power Supply Equipment [powered by the CIE]

Optional Modules:

C1630 Output Expansion Interface
C1631 Repeater Interface Board
C1633 8 Way Open Collector Output Module
C1634 8 Way Volt Free Relay Output Module
C1635 8 Way Fault Monitored Relay Output Module
C1651 Clock Module

Expansion Units:

Precept en exp 4 with Power Supply Equipment
Precept en exp 4 no Power Supply Equipment
Precept en exp 5 with Power Supply Equipment
Precept en exp 5 no Power Supply Equipment

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Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2: 1997:

Output to fire alarm devices (clause 7.8)
Output to fire alarm routing equipment (clause 7.9.1)
Output to fire protection equipment (clause 7.10.1)
Delays to outputs (clause 7.11)
Alarm counter (clause 7.13)
Output to fault warning routing equipment (clause 8.9)
Test condition (clause 10)

Note 1: The Precept en is also certified for use in other language variants such as French/Flemish, Danish, Dutch, Swedish, Czech and Arabic.

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No. KM 95744

BS EN 54 Part 2: 1997 +A1 & AC and BS EN 54 Part 4: 1998 +A1 & A2

Model Reference	Type
FIRECLASS Precept en 2	2 Zone Conventional Control and Indicating Equipment
FIRECLASS Precept en 4	4 Zone Conventional Control and Indicating Equipment
FIRECLASS Precept en 8	8 Zone Conventional Control and Indicating Equipment
FIRECLASS Precept en 16	16 Zone Conventional Control and Indicating Equipment
FIRECLASS Precept en 32	32 Zone Conventional Control and Indicating Equipment
FIRECLASS Precept en 16L	16 Zone Conventional Control and Indicating Equipment in Large Enclosure

Certified for use with ADT, Apollo series 30, 60, 65 and Orbis, Fulleon, GLT Exports, Grinnell, Hochiki, Honeywell, KAC, Nittan, System Sensor, Thorn, Tyco, Zettler and Ziton conventional fire detection and alarm circuit devices. Also certified as suitable for use with the following:

FIRECLASS Range of repeater panels:

FIRECLASS Precept en 8 repeater with 230Vac Power Supply Equipment and Battery Back-up
FIRECLASS Precept en 16 repeater with 230Vac Power Supply Equipment and Battery Back-up
FIRECLASS Precept en 32 repeater with 230Vac Power Supply Equipment and Battery Back-up
FIRECLASS Precept en 8 repeater without Power Supply Equipment [powered by the CIE]
FIRECLASS Precept en 16 repeater without Power Supply Equipment [powered by the CIE]
FIRECLASS Precept en 32 repeater without Power Supply Equipment [powered by the CIE]

Optional Modules:

C1630 Output Expansion Interface
C1631 Repeater Interface Board
C1633 8 Way Open Collector Output Module
C1634 8 Way Volt Free Relay Output Module
C1635 8 Way Fault Monitored Relay Output Module
C1651 Clock Module

Expansion Units:

FIRECLASS Precept en exp 4 with Power Supply Equipment
FIRECLASS Precept en exp 4 no Power Supply Equipment
FIRECLASS Precept en exp 5 with Power Supply Equipment
FIRECLASS Precept en exp 5 no Power Supply Equipment

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Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2: 1997:

Output to fire alarm devices (clause 7.8)
Output to fire alarm routing equipment (clause 7.9.1)
Output to fire protection equipment (clause 7.10.1)
Delays to outputs (clause 7.11)
Alarm counter (clause 7.13)
Output to fault warning routing equipment (clause 8.9)
Test condition (clause 10)

Note 1: The **FIRECLASS** Precept en is also certified for use in other language variants such as French/Flemish, Danish, Dutch, Swedish, Czech and Arabic.

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BS EN 54 Part 2: 1997 +A1 & AC and BS EN 54 Part 4: 1998 +A1 & A2

Model Reference	Type
HiSafe Precept en 2	2 Zone Conventional Control and Indicating Equipment
HiSafe Precept en 4	4 Zone Conventional Control and Indicating Equipment
HiSafe Precept en 8	8 Zone Conventional Control and Indicating Equipment
HiSafe Precept en 16	16 Zone Conventional Control and Indicating Equipment
HiSafe Precept en 32	32 Zone Conventional Control and Indicating Equipment

Certified for use with ADT, Apollo series 30, 60, 65 and Orbis, Fulleon, GLT Exports, Grinell, Hochiki, Honeywell, KAC, Nittan, System Sensor, Thorn, Tyco, Zettler and Ziton conventional fire detection and alarm circuit devices. Also certified as suitable for use with the following:

Range of repeater panels:

HiSafe Precept en 8 repeater with 230Vac Power Supply Equipment and Battery Back-up
HiSafe Precept en 16 repeater with 230Vac Power Supply Equipment and Battery Back-up
HiSafe Precept en 32 repeater with 230Vac Power Supply Equipment and Battery Back-up

Optional Modules:

C1630 Output Expansion Interface
C1631 Repeater Interface Board
C1633 8 Way Open Collector Output Module
C1634 8 Way Volt Free Relay Output Module
C1635 8 Way Fault Monitored Relay Output Module
C1651 Clock Module

Expansion Units:

Precept en exp 4 with Power Supply Equipment
Precept en exp 4 no Power Supply Equipment
Precept en exp 5 with Power Supply Equipment
Precept en exp 5 no Power Supply Equipment

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Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2:1997:

Output to fire alarm devices (clause 7.8)
Output to fire alarm routing equipment (clause 7.9.1)
* Output to fire protection equipment (clause 7.10.1)
Delays to outputs (clause 7.11)
Alarm counter (clause 7.13)
Output to fault warning routing equipment (clause 8.9)
Test condition (clause 10)

Note 1: * - This option is only available to the HiSafe Precept with the provision of the output expansion unit.

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Model Reference	Type
Hertek BSX20E	2 Zone Conventional Control and Indicating Equipment
Hertek BSX40E	4 Zone Conventional Control and Indicating Equipment
Hertek BSX80E	8 Zone Conventional Control and Indicating Equipment
Hertek BSX160E	16 Zone Conventional Control and Indicating Equipment
Hertek BSX160E	16 Zone Conventional Control and Indicating Equipment in Large Enclosure

Certified for use with ADT, Apollo series 30, 60, 65 and Orbis, Fulleon, GLT Exports, Grinell, Hochiki, Honeywell, KAC, Nittan, System Sensor, Thorn, Tyco, Zettler and Ziton conventional fire detection and alarm circuit devices. Also certified as suitable for use with the following:

Range of repeater panels:

Hertek BSX80 repeater with 230Vac Power Supply Equipment and Battery Back-up
Hertek BSX160 repeater with 230Vac Power Supply Equipment and Battery Back-up
Hertek BSX80 repeater without Power Supply Equipment [powered by the CIE]
Hertek BSX160 repeater without Power Supply Equipment [powered by the CIE]

Optional Modules:

C1630 Output Expansion Interface
C1631 Repeater Interface Board
C1633 8 Way Open Collector Output Module
C1634 8 Way Volt Free Relay Output Module
C1635 8 Way Fault Monitored Relay Output Module
C1651 Clock Module

Expansion Units:

Precept en exp 4 with Power Supply Equipment
Precept en exp 4 no Power Supply Equipment
Precept en exp 5 with Power Supply Equipment
Precept en exp 5 no Power Supply Equipment

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Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2:1997:

Output to fire alarm devices (clause 7.8)
Output to fire alarm routing equipment (clause 7.9.1)
* Output to fire protection equipment (clause 7.10.1)
Delays to outputs (clause 7.11)
Alarm counter (clause 7.13)
Output to fault warning routing equipment (clause 8.9)
Test condition (clause 10)

Note 1: * - Complies with clause 7.10.1 when Reset Relay is not configured as Fire Protection Routing Output or panel is used with the output expansion system.

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BS EN 54 Part 2: 1997 +A1 & AC and BS EN 54 Part 4: 1998 +A1 & A2

Model Reference	Type
MZX-c+ 4	4 Zone Conventional Control and Indicating Equipment
MZX-c+ 8	8 Zone Conventional Control and Indicating Equipment
MZX-c+ 16	16 Zone Conventional Control and Indicating Equipment
MZX-c+ 32	32 Zone Conventional Control and Indicating Equipment

Certified for use with ADT, Apollo series 30, 60, 65 and Orbis, Fulleon, GLT Exports, Grinell, Hochiki, Honeywell, KAC, Nittan, System Sensor, Thorn, Tyco, Zettler and Ziton conventional fire detection and alarm circuit devices. Also certified as suitable for use with the following:

Range of repeater panels:

MZX-c+ 8 Zone repeater with 230Vac Power Supply Equipment and Battery Back-up
MZX-c+ 16 Zone repeater with 230Vac Power Supply Equipment and Battery Back-up
MZX-c+ 32 Zone repeater with 230Vac Power Supply Equipment and Battery Back-up

Optional Modules:

C1630 Output Expansion Interface
C1631 Repeater Interface Board
C1633 8 Way Open Collector Output Module
C1634 8 Way Volt Free Relay Output Module
C1635 8 Way Fault Monitored Relay Output Module
C1651 Clock Module

Expansion Units:

MZX-c+ 4 Way Output Expansion Unit with Power Supply Equipment
MZX-c+ 4 Way Output Expansion Unit No Power Supply Equipment
MZX-c+ 5 Way Output Expansion Unit with Power Supply Equipment
MZX-c+ 5 Way Output Expansion Unit No Power Supply Equipment

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Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2:1997:

Output to fire alarm devices (clause 7.8)
Output to fire alarm routing equipment (clause 7.9.1)
Output to fire protection equipment (clause 7.10.1)
Delays to outputs (clause 7.11)
Alarm counter (clause 7.13)
Output to fault warning routing equipment (clause 8.9)
Test condition (clause 10)

Note: The MZX-c+ is also certified for use in other language variants such as French/Flemish, Danish, Dutch, Swedish, Czech and Arabic.

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No. KM 95744

BS EN 54 Part 2: 1997 +A1 & AC and BS EN 54 Part 4: 1998 +A1 & A2

Model Reference	Type
MZX-c+ 2 Zone Scandinavian Variant	2 Zone Conventional Control and Indicating Equipment
MZX-c+ 4 Zone Scandinavian Variant	4 Zone Conventional Control and Indicating Equipment
MZX-c+ 8 Zone Scandinavian Variant	8 Zone Conventional Control and Indicating Equipment
MZX-c+ 16 Zone Scandinavian Variant	16 Zone Conventional Control and Indicating Equipment
MZX-c+ 32 Zone Scandinavian Variant	32 Zone Conventional Control and Indicating Equipment

Certified for use with ADT, Apollo series 30, 60, 65 and Orbis, Fulleon, GLT Exports, Grinell, Hochiki, Honeywell, KAC, Nittan, System Sensor, Thorn, Tyco, Zettler and Ziton conventional fire detection and alarm circuit devices. Also certified as suitable for use with the following:

Range of repeater panels:

MZX-c+ 8 Zone Scandinavian Variant repeater with 230Vac Power Supply Equipment and Battery Back-up
MZX-c+ 16 Zone Scandinavian Variant repeater with 230Vac Power Supply Equipment and Battery Back-up
MZX-c+ 32 Zone Scandinavian Variant repeater with 230Vac Power Supply Equipment and Battery Back-up

Optional Modules:

C1630 Output Expansion Interface
C1631 Repeater Interface Board
C1633 8 Way Open Collector Output Module
C1634 8 Way Volt Free Relay Output Module
C1635 8 Way Fault Monitored Relay Output Module
C1651 Clock Module

Expansion Units:

MZX-c+ 4 Way Output Expansion Unit with Power Supply Equipment
MZX-c+ 4 Way Output Expansion Unit No Power Supply Equipment
MZX-c+ 5 Way Output Expansion Unit with Power Supply Equipment
MZX-c+ 5 Way Output Expansion Unit No Power Supply Equipment

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Options with requirements

Certified with the following options with requirements from BS EN 54 Part 2:1997:

- Output to fire alarm devices (clause 7.8)
- Output to fire alarm routing equipment (clause 7.9.1)
- Output to fire protection equipment (clause 7.10.1)
- Delays to outputs (clause 7.11)
- Alarm counter (clause 7.13)
- Output to fault warning routing equipment (clause 8.9)
- Test condition (clause 10)

Note 1: The MZX-c+ series of Scandinavian variant CIE is certified with a fire brigade key switch.

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No. KM 95744

The above products may be Kitemarked when branded with the following trademark:

For the purposes of traceability the Kitemark licence number must appear adjacent to the Kitemark symbol on all branded products.

Control Equipment Ltd Product Model	Alternative Branded Model	Supplier
Precept en 2	MX-1002	Advanced Electronics Ltd
	Excel 2	Fireguard Safety Equipment Co. Ltd
	Precept en 2	LAP-SIKKERHED ApS
	Premier MX2	Zeta Alarm Systems by GLT Exports Ltd
Precept en 4	MX-1004	Advanced Electronics Ltd
	Excel 4	Fireguard Safety Equipment Co. Ltd
	Precept en 4	LAP-SIKKERHED ApS
	MZX-c+ 4 Zone	Thorn Security Ltd
	Premier MX4	Zeta Alarm Systems by GLT Exports Ltd
Precept en 8	MX-1008	Advanced Electronics Ltd
	Excel 8	Fireguard Safety Equipment Co. Ltd
	Precept en 8	LAP-SIKKERHED ApS
	MZX-c+ 8 Zone	Thorn Security Ltd
	Premier MX8	Zeta Alarm Systems by GLT Exports Ltd
Precept en 16	MX-1016	Advanced Electronics Ltd
	Excel 16	Fireguard Safety Equipment Co. Ltd
	Precept en 16	LAP-SIKKERHED ApS
	MZX-c+ 16 Zone	Thorn Security Ltd
	Premier MX16	Zeta Alarm Systems by GLT Exports Ltd
Precept en 16L	Excel 16L	Fireguard Safety Equipment Co. Ltd
Precept en 32	MX-1032	Advanced Electronics Ltd
	Excel 32	Fireguard Safety Equipment Co. Ltd
	MZX-c+ 32 Zone	Thorn Security Ltd
	Premier MX32	Zeta Alarm Systems by GLT Exports Ltd
MZX-c+ 2 Zone Scandinavian Variant	SMX-1002	Advanced Electronics Ltd
MZX-c+ 4 Zone Scandinavian Variant	SMX-1004	Advanced Electronics Ltd
	Precept en 4	DAFO Brand AB

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Control Equipment Ltd Product Model	Alternative Branded Model	Supplier
MZX-c+ 8 Zone Scandinavian Variant	SMX-1008 Precept en 8	Advanced Electronics Ltd DAFO Brand AB
MZX-c+ 16 Zone Scandinavian Variant	SMX-1016	Advanced Electronics Ltd
Precept en 8 repeater with 230Va.c. PSE and Battery Back-up	MX-1108 Excel 8 AC Repeater Precept en 8 AC Repeater	Advanced Electronics Ltd Fireguard Safety Equipment Co. Ltd LAP-SIKKERHED ApS Thorn Security Ltd
	MZX-c+ 8 Zone repeater with 230Va.c. PSE Premier MX R8 230V	Zeta Alarm Systems by GLT Exports Ltd
Precept en 16 repeater with 230Va.c. PSE and Battery Back-up	MX-1116 Excel 16 AC Repeater Precept en 16 AC Repeater	Advanced Electronics Ltd Fireguard Safety Equipment Co. Ltd LAP-SIKKERHED ApS Thorn Security Ltd
	MZX-c+ 16 Zone repeater with 230Va.c. PSE Premier MX R16 230V	Zeta Alarm Systems by GLT Exports Ltd
Precept en 32 repeater with 230Va.c. PSE and Battery Back-up	MX-1132 Excel 32 AC Repeater	Advanced Electronics Ltd Fireguard Safety Equipment Co. Ltd Thorn Security Ltd
	MZX-c+ 32 Zone repeater with 230Va.c. PSE Premier MX R32 230V	Zeta Alarm Systems by GLT Exports Ltd
Precept en 8 repeater without PSE	Excel 8 DC Repeater Premier MX R8 24V	Fireguard Safety Equipment Co. Ltd Zeta Alarm Systems by GLT Exports Ltd

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Unit with PSE

MZX-c+ 5 Way Expansion
Unit without PSE

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