



# Certificate of Compliance

## FIRE PROTECTION EQUIPMENT

This certificate is issued for the following equipment:

FS1120/FS1120R Fire Detection System

System Description – Model Designations See page 2.

Approval Guide Listing: Category:

Electrical Signaling, Signaling Systems (Fire), Local Protective Signaling, Local Protective Signaling

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This certifies that the equipment described has been found to comply with the applicable requirements, as stated in the Approval Report(s), of the following FM Approval Standards and other documents:

Approval Standards Class Number	Date	Other Standards Organization, Designation	Date
3010	September 2003	ANSI/ NFPA 72 ANSI/NEMA 864	2002 September 2003

Original Approval Job Identification:0003050185

Approval Granted: 11 March 2014

Related Reports: 3022090 and 3043815

Subsequent Revisions: None

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

  
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FS1120 /FS1120R Fire Detection System. **NOTE: As this system is intended to be marketed in China, it may not comply with all requirements of NFPA 72 which would be applicable to FM Approvals if the equipment were to be marketed in North America.** Programmable fire alarm panels (FS1120/FS1120R). Basic FS1120/FS1120R system is a 24 V dc panel operable on primary voltage rating of 240 V ac using a B2F020 power module. System requires the use of B2F020 converter module, E3X103 master control module (Firmware CCY00820) or E3G070 control module "universal" and a B3Q566 person machine interface (Firmware CTYT1820). Initiating devices are connected by E3M141 line module (module firmware BFQ02002 in controller HCS12 and module firmware BKQ02002 in controller MSP430 ) which provides two Class A or B signaling line circuits for use with Sinteso™ or Cerberus™ devices (see below).

Additional B2F020 converter module and E3C011 battery charging module circuit on the E3X103 (Firmware CCY00820) may be used to provide additional system power. E3L020 control module "I/O", E3G050 control module "contacts", E3G060 control module "monitored", E3G110 Emergency Link, E3I020 or K3I020 RS232 module, E3H021 C-bus gateway, B3R051 parallel indicator panel (Firmware B3R051 V1.3), K3G060 relay card, K3N010 RAM extension for E3X101, K5L020 multi-section extinguishing module, K3R071 synoptic board (Firmware K3R071/V1.2), K3R072 synoptic driver (Firmware K3R072/V1.3), E3I040 I Bus/LON module (Firmware E3I040/27C256-LON/V1.0 and E3I040/HC71/E9/V1.0), K3I050 LON/synoptic converter (Firmware K3I050/27C256-LON/V2.2), K3I110 LON I/O Box (Firmware K3I110/27C256-LON/V0.7), Z3B171 relay module. B3Q460 and B3Q480 control console (Firmware LED V2.0), B3Q580 text display terminal (Firmware B3Q580/27C256-LON/V4.2a) and B3Q590 text control terminal (Firmware B3Q590/27C256-LON/V4.2a) may be mounted remotely for annunciation and control. E3H021 C-bus gateway module (Firmware CKY00820) and K1D081 dual modem module may be used to interface with MM8000 system. Standby batteries are available in 15, 24 or 40 AH capacity to provide the required 24 hours of standby operation. Compatible, Approved initiating devices for use with E3M140/K3M140.

FDL 241-9-CN Beam type smoke detector. Detector includes a base, FDLB291; one of three reflectors, DLR1191 long distance prism, DLR1192 Medium distance reflector, or DLR1193 short distance reflector one of three light filters, DLF1191-AA 7-10 m filter, DLF1191-AB 5-8 m filter, or DLF1191-AC extraneous light filter. DLR 1192 Medium distance reflector, or DLR1193 short distance reflector. photoelectric smoke detectors FDO221-CN, rate-of-rise heat detector , FDT241-CN, , with bases FDB 201, 202, 221, 222, 291, 293 and Sounder bases FDSB291-CN, and Modules FDCI221-CN FDCIO221-CN, FDCIO223-CN, and line separator FDCL221-CN.

OP720-CN Addressable photoelectric smoke detector, HI720-CN Rate compensated heat detector, OH720-CN Addressable multi criteria photoelectric smoke detector, with base DB721-CN, DBS720 Audible base.



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