Certificate of Compliance

FM APPROVED

FIRE PROTECTION EQUIPMENT

This certificate is issued for the following equipment:

System Description –FS20 and Cerberus Series modular fire alarm control panels

Approval Guide Listing: Category:

Electrical Signaling, Signaling Systems (Fire), European Approval, Control and Indicating Equipment

Siemens Switzerland Ltd.
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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		Other Standards	
Class Number	*Date*	*Organization, Designation*	*Date*
3010	September 2003		

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Subsequent Revisions: None

To verify the availability of the Approved product, please refer to www.approvalguide.com

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Cerberus Series Systems. NOTE: These systems 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 Firmware level 41.6.XX. The basic panel is a 24 V dc panel operable on primary voltage rating of 240 V ac. System requires the use of an FCM7204-Z3 Control unit, or an FCM7205-Y3 Control unit with LED indication, both utilize an FCM 2027 PMI main board. Common optional modules include the Network module FN2001-A1 which provides networking capability between FC72X series fire alarm control panels. The following describe the Approved systems constructed around the common panel modules:

The FC721 is a one signaling line circuit, (loop) fire panel with the following modules/functions: Periphery board (one loop) FCI2010-A1 provides connection of 126 addressable devices on one signaling line circuit configurable either class A style 7 or class B style 4. Power supply FP2001-A1 which provides 70 W of power from either the line voltage or two 12Vdc batteries arranged to provide 24Vdc of a maximum size of 12 Ah.

The FC722 is a two signaling line circuit, (loop) fire panel with the following modules/functions: Periphery board (two loop) FCI2002-A1 provides connection of 252 addressable devices on two signaling line circuits configurable either class A style 7 or class B style 4. Power supply FP2001 which provides 70 W of power from either the line voltage or two 12Vdc batteries arranged to provide 24Vdc of a maximum size of 12 Ah or Power supply SV 24V-150 W which provides 150 W of power from either the line voltage or two 12Vdc batteries arranged to provide 24Vdc of a maximum size of 26 Ah.

The FC724 is a four signaling line circuit (loop) fire panel with the following modules/functions: Periphery board (four loop) FCI 2004-A1 provides connection of 504 addressable devices on four signaling line circuits configurable either class A style 7or class B. Power supply SV 24V-150 W which provides 150 W of power from either the line voltage or two 12Vdc batteries arranged to provide 24Vdc of a maximum size of 26 Ah.

The FC726 is a four signaling line circuit (loop) fire panel with the following modules/functions: Periphery board (four loop) FCI 2004-A1 provides connection of 504 addressable devices on four signaling line circuits configurable either class A style 7or class B. The FC726 is equipped with a five slot card cage FCA2008-A1 allowing connection of five of the following Line cards: FCL2001-A1 C-Net , enabling connection of Cerberus detectors, FCL2002-A1 Collective, enabling connection of initiating devices, FCL2003-A1 enabling connection of MS9i devices, FCI2008-A1 I/O card providing 12 I/O circuits and 2 power circuits. Power supply SV24-150W which provides 150 W of power from either the line voltage or two 12Vdc batteries arranged to provide 24Vdc of a maximum size of 26 Ah. As many as three power supplies SV24-150 can be connected to provide up to 450 W of power with 78 Ah of batteries.

The FT724 provides remote annunciation capability for either the FC722, FC724 or the FC726. It is connected to the control panel through the network module FN 2001-A1.

The FT2010, FT2011 provide remote annunciation capability for either FC721, FC722, FC724 or FC726. It is connected to the control panel through the C-Net line circuit on the periphery board FCI2010-A1, FCI2002-A1, FCI2004-A1 or FCL2001-A1. The following Cerberus™ addressable devices and appliances are connected through either of the periphery boards to: OH720/OH720-CN multi criteria smoke detector, OP720/OP720-CN photo detector, Rate-Compensated heat detectors HI720, HI722, with base DB720, DB721, or DBS720, FDL 241-9 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. FDF 221-9 and FDF 241-9 flame detectors. manual call points FDM221, FDM223, FDM223H, FDM224, and FDM224H. Sounder FDS221-R, FDS221-W, sounder/beacons FDS229-A, FDS229-R, with bases FDB221, FDB222, FDB291, FDB293. Modules FDCI221, FDCIO221, FDCI222, FDCIO222, FDCIO223, FDCIO223-CN, FDCIO224 and line separator FDCL221 & FDCL221-CN.

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FS 20 Series Detection Systems . NOTE: These systems 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 Firmware level 41.6.XX. The basic panel is a 24 V dc panel operable on primary voltage rating of 240 V ac. System requires the use of an FCM 2028-A2 Control unit, or an FCM 2029-A2 Control unit with LED indication, both utilize an FCM 2027 PMI main board. Common optional modules include the Network module FN 2001-A1 which provides networking capability between FS 20 series fire alarm control panels. The following describe the Approved systems constructed around the common panel modules:

The FC2020 is a two signaling line circuit, (loop) fire panel with the following modules/functions: Periphery board (two loop) FCI 2002-A1 provides connection of 252 addressable devices on two signaling line circuits configurable either class A style 7 or class B style 4. Power supply FP2001-A1 which provides 70 W of power from either the line voltage or two 12Vdc batteries arranged to provide 24Vdc of a maximum size of 12 Ah or power supply SV24-150W which provides 150 W of power from either the line voltage or two 12Vdc batteries arranged to provide 24Vdc of a maximum size of 26 Ah. As many as three power supplies SV24-150 can be connected to provide up to 450 W of power with 78 Ah of batteries.

The FC2030 is a two signaling line circuit, (loop) fire panel with the following modules/functions: Periphery board (two loop) FCI 2002-A1 provides connection of 252 addressable devices on two signaling line circuits configurable either class A style 7 or class B style 4. The FC2030 is equipped with a two slot card cage FCA2007-A1 allowing connection of two of the following Line cards: FCL2002-A1 Collective, enabling connection of initiating devices, FCL2003-A1 enabling connection of MS9i devices. Power supply SV24-150W which provides 150 W of power from either the line voltage or two 12Vdc batteries arranged to provide 24Vdc of a maximum size of 26 Ah. As many as three power supplies SV24-150 can be connected to provide up to 450 W of power with 78 Ah of batteries.

The FC2040 is a four signaling line circuit (loop) fire panel with the following modules/functions: Periphery board (four loop) FCI 2004-A1 provides connection of 504 addressable devices on four signaling line circuits configurable either class A style 7or class B. Power supply SV 24V-150 W which provides 150 W of power from either the line voltage or two 12Vdc batteries arranged to provide 24Vdc of a maximum size of 26 Ah. As many as three power supplies SV24-150 can be connected to provide up to 450 W of power with 78 Ah of batteries.

The FC2060 is a four signaling line circuit (loop) fire panel with the following modules/functions: Periphery board (four loop) FCI 2004-A1 provides connection of 504 addressable devices on four signaling line circuits configurable either class A style 7or class B. The FC2060 is equipped with a five slot card cage FCA2008-A1 allowing connection of five of the following Line cards: FCL2001-A1 FDnet, enabling connection of Sinteso detectors, FCL2002-A1 Collective, enabling connection of initiating devices, FCL2003-A1 enabling connection of MS9i devices, FCI2008-A1 I/O card providing 12 I/O circuits and 2 power circuits. Power supply SV24-150W which provides 150 W of power from either the line voltage or two 12Vdc batteries arranged to provide 24Vdc of a maximum size of 26 Ah. As many as three power supplies SV24-150 can be connected to provide up to 450 W of power with 78 Ah of batteries.

The FT2040 provides remote annunciation capability for either the FC2020, FC2030, FC2040 or the FC2060. It is connected to the control panel through the network module FN 2001-A1.

The FT2010, FT2011 provides remote annunciation capability for either the FC2020, FC2030, FC2040 or the FC2060. It is connected to the control panel through the FDnet line circuit on the periphery board FCI2002-A1, FCI2004-A1 or FCL2001-A1.

The following Sinteso™ addressable devices and appliances are connected through either of the periphery boards to the FS20 series panels: FDF 221-9 and FDF 241-9 flame detectors, FDL 241-9 & FDL241-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. Manual call points FDM221, FDM223, 223H, 224, and 224H; photoelectric smoke detectors FDO221 & FDO221-CN, 241, rate-of-rise heat detector FDT221, FDT241-CN, 241 multi-sensor detector FDOOT221, 241-9, FDOOTC241, sounder FDS221, sounder/beacons FDS229-A and FDS229-R, with bases FDB 201, 202, 221, 222, 291, 293 and Sounder bases FDSB291 & FDSB291-CN, 292 and Modules FDCI221, 222, FDCIO221, 222, FDCIO223 & FDCIO223-CN, 223, 224 and line separator FDCL221 & FDCL221