



FC1002, FC1004

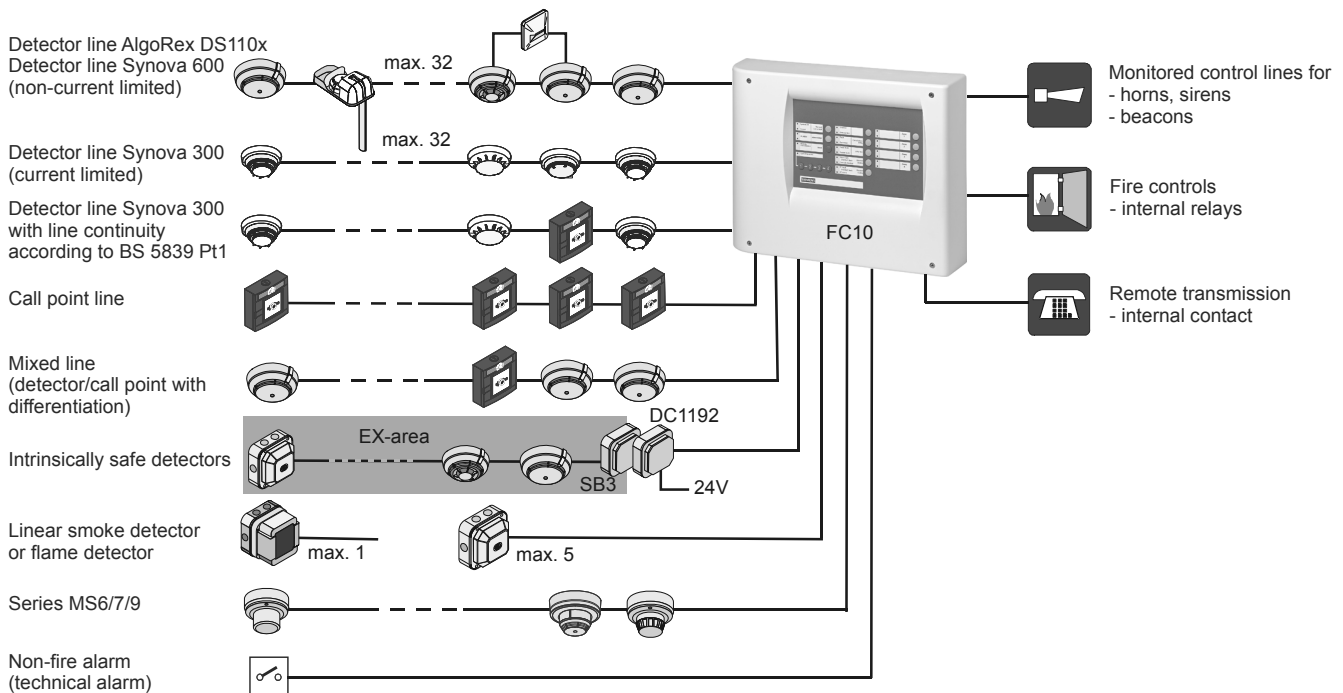
Control units



Conventional

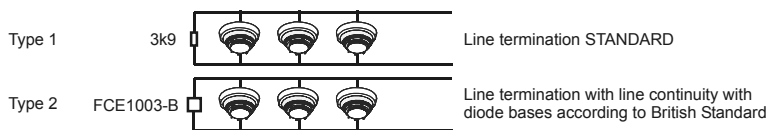
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- 2 or 4 zones
 - Compatible with all conventional Siemens detectors
 - 2 selectable detector line standards for a wide range of detector compatibility
 - 2 monitored control lines for sirens, strobe lights etc.
 - Programmable alarm organization for manned/unmanned operation
 - Alarm verification
 - Cross-zoning
 - Suitable to collect non-fire related events with non-latching zone option
 - Simple user controls with isolate/test button per zone
 - Key code user access with optional key switch alternative
 - Easy on-site configuration
 - Integral capacity for emergency power of up to 72 h
 - Battery 7.2 Ah (2 x 12 V)

System overview



EOL

Detector line termination with two different types, depending on type of control unit.



The FC1002/04 is a compact 2 or 4 zone fire alarm control unit designed to be very simple to use while offering exceptional flexibility via a comprehensive feature list.

Detection

- Each line programmable for *current limited* or *non current limited* operation
- Detectors and call points on same line with functional differentiation (where allowed)
- Intrinsically safe detectors via line coupler DC1192 and safety barrier SB3
- Each line programmable for *non-latch* function and/or technical alarms
- Line continuity with diode bases according to British Standard

Inputs / Outputs

- Dry contacts for general alarm and fault
- 3 common control outputs
- 2 monitored control lines 24 V/500 mA for horns, flash lights, external remote transmission, etc.
- 2 fire control relays, rated 10 A/250 V
- Driver outputs per detector line
- 3 control inputs (1 programmable)

PMI

- Individual indicator labeling with inscription stripe sets in various languages
- Individual zone isolate/test buttons for clear and easy user operation

Commissioning

- Basic functions that can be adapted on-site if required without laptop

- Simple “out of the box” start up with preset default values

Country variants

FC1002/04-B

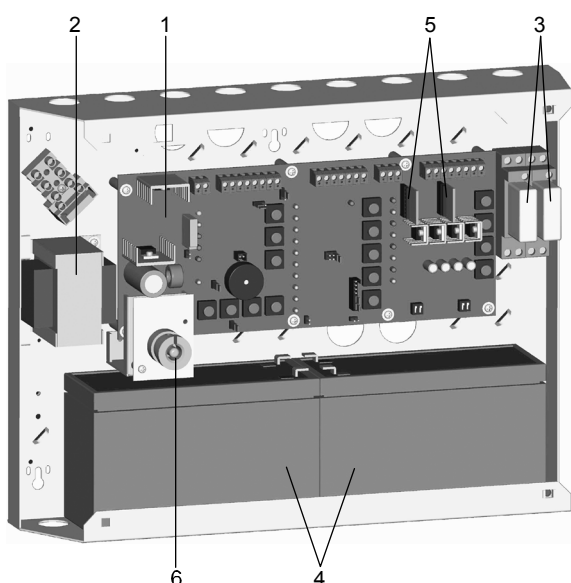
For British Standard (BS) market. Incorporates special detection circuit end-of-line monitoring which on removal of a detector will indicate a fault on the control unit but still allow devices fitted beyond the removed detector to function. Each detector base must be fitted with a continuity diode.

FC1002/04-C

For Nordic Countries. This unit comes fitted as standard with a Nordic fire authority key switch.

FC1004-E

For Dutch Market. Incorporates additional evacuation control line and integral evacuation function.



Basic components

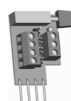
- 1 Main board with power supply and battery charger
- 2 Transformer (0.7 A)
- 3 Fire control relays (optional)
- 4 Battery 7.2 Ah (2 x 12 V)
- 5 Add-on card for line continuity British Standard (BS), only FC1002/04-B
- 6 Key switch Nordic, only FC1002/04-C

Accessories to FC1002/4 (options)



Relay module Z3B171

1 changeover contact 250 VAC/10 A for the connection of fire control installations such as fire doors.
Accessory for all control unit types.



RT-isolation card FCA1005-D

To provide hardware disconnecting facility for the remote transmission channels.
Accessory for all control unit types.
Quiescent current: 0 mA



Battery FB2003-A1

Gas-tight lead battery 12 V/7.2 Ah




Key switch FCA1007

To provide operating access via key switch instead of password.
Accessory for all control unit types, except FC1002/04-C

Reference documents

Doc. No. A6V10277147_--	FC10 8/12 zone	Data sheet
Doc. No. A6V10265078_--	FC1002/04-A/-B/-C	Technical manual
Doc. No. A6V10265078_NL	FC1004-E	Technical manual
Doc. No. 007995_--	FC10	Operating manual

Technical Data

	Supply voltage	AC 115/230 V, +10 %/-15 %, 50/60 Hz
	Power consumption	13 ... 25 VA
Siemens Schweiz AG, CH-6301 Zug Date: see manufacturing date on the product 0786-CPD-XXXXX	Quiescent current	
	FC1002-A/-B/-C	80 mA
EN54-2, EN54-4 Fire Control Unit, Safety in case of fire FC1002, FC1004 Technical data see Doc. A6V10265078	FC1004-A/-B/-C/-E	90 mA
	Emergency power operating	... 72 h
Outputs		
Dry contact Alarm	30 V/1 A, NO/NC	
Dry contact Fault	30 V/1 A, NO/NC	
Fire control relays (optional, 1...2)	250 V/10 A, NO	
monitored control lines (2)	24 V/500 mA	
Driver outputs (5 or 7)	24 V/40 mA	
Control inputs (3)	Positive potential via dry contact	
Operating temperature	0 ... +50 °C	
Storage temperature	-20 ... +60 °C	
Humidity (no condensation permitted)		
at T = 25 ±3 °C	≥95 % rel.	
at T = 40 ±2 °C	93 % rel.	
Cabinet		
Dimensions (W x H x D)	370 x 286 x 90 mm	
Color cover FC10xx-A/-B/-C/-E	white, ~RAL 9003	
Protection category (IEC 60529)	IP40	
Standards	EN 54-2, EN 54-4	

Details for ordering

	Type	Part no	Designation	Weight
Control units	FC1002-A	S54380-C2-A1	Control unit conventional 2 zone	4.080 kg
	FC1002-B	S54380-C2-A10	Control unit conventional 2 zone GB	4.080 kg
	FC1002-C	S54380-C2-A20	Control unit conventional 2 zone Nordic	4.200 kg
	FC1004-A	S54380-C3-A1	Control unit conventional 4 zone	4.200 kg
	FC1004-B	S54380-C3-A10	Control unit conventional 4 zone GB	4.200 kg
	FC1004-C	S54380-C3-A20	Control unit conventional 4 zone Nordic	4.300 kg
	FC1004-E	S54380-C3-A30	Control unit conventional 4 zone NL	4.200 kg
Accessories	FCA1005-D	A6E60500024	RT-isolation card	0.039 kg
	FCA1007	A6E60500026	Kit key switch standard	0.175 kg
	Z3B171	4843830001	Fire control relay	0.040 kg
	FA2003-A1	A5Q00019353	Battery 12V/7.2 Ah	2.481 kg
Inscription stripes shipped with each control unit	Control unit type		Language of inscription stripes	
	FC1002/04-A		Czech, Danish, Dutch, English, Flemish, French, German, Italian, Polish, Portuguese, Spanish, *)	-
	FC1002/04-B		English	-
	FC1002/04-C		Danish, Finnish, Norwegian, Swedish	-
	FC1002, FC1004-E		Dutch	-

*) Inscription stripes for other languages can be generated using, a special Word template (available at Hotline)

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Document no. **A6V10277145_a_en--**
 Edition 03.2010

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