

FC702S and FC702D Addressable Fire Control Panels

The FC702S and FC702D fire alarm control panels have fully programmable TFT colour touch-screen user interfaces with context sensitive help and on-screen instructions. The user interfaces are suitable for use with or without gloves.

The FC702S is housed in a compact, shallow enclosure. The FC702D has a deep housing to accommodate larger batteries for extended standby periods. Each panel can support 250 addresses in total and panels can be networked together. Each addressable loop can be connected as one high power (HP) loop or two shared power (SP) loops. This provides the flexibility to allocate all available power and 250 addresses to the HP loop, or to share resources across two SP loops.

Figure 1: FC702S / FC702D



Additional Panel Features

- 8.4 inch TFT colour touch screen multilingual user interface - architecturally attractive and fully programmable
- Ergonomic Icon Display - simple to operate user interface to reduce operator errors
- Touch sensitive status LEDs provide event summary information - instant access to detailed event information
- Context sensitive help and on screen operator instructions - reduces the need for user training and provides support for infrequent users
- User configurable on-screen site maps - no need for additional site plans
- Programmable graphic quiescent display - opportunity for customer branding
- Comprehensive point management and disable functions - gives the user full control and reduces service and maintenance effort
- 10,000 event log
- Dynamic filters on the event log to quickly resolve site investigations
- Keyless log-on using RFID tags - identifies and logs user actions
- Flexible single or dual hardware loop configurations - optimise loop power and address capacity
- Compact shallow housing or deep housing - designed for standard or extended battery standby period

Ordering information

Table 1: Order codes - Control Panels, housing, and accessories

Order number	Product details
557.200.954	FC1DS FireClass fully functional Repeater
557.200.955	FC1D2 Display Only Repeater
557.200.957	FCZ4DS FireClass 40 Zone Display
557.200.958	FCZ8DS FireClass 80 Zone Display
557.200.949	FC702S:1 -2 Loop FireClass Panel
557.200.950	FC702D:1 -2 Loop FireClass Panel
557.200.952	FC718D:4-8 Loop FireClass Panel
557.200.951	FC708D: 4-8 Loop FireClass Panel
557.200.960	FC-ANC Ancillary Housing
557.200.961	FC-FI: FireClass panel main board (replacement unit)
557.200.962	FireClass RFID cards, 5 units
557.200.963	FC-ANC-E Emty Ancillary Housing
557.202.842	PLX800: FireClass loop expansion slot card
557.202.844	PNI800: FireClass network interface slot card
557.202.859	POS800-S: fibre optic switch single mode
557.202.862	POS800-M: fibre optic switch multimode
557.202.860	PCS800: FireClass Ethernet switch
557.202.804	Rack Mount Kit for GUI Repeater and Zonal Repeater
557.201.513	Document Holder Attachment fitting kit
557.202.006	IOB800 (8in/8out) expansion board

Table 1: Order codes - Control Panels, housing, and accessories

Order number	Product details
557.202.100	FB800 fuse board 15 way
557.202.805	P-KEY FireClass Enable Key Kit
557.202.801	P-WSH FireClass Display Wall mount Shallow
557.202.802	P-WDP FireClass Display Wall mount Deep Backbox
557.202.871	Flush Mount Kit Repeater
557.180.244	External printer EPSON LQ350 Dot matrix printer
557.180.220	LQ 300+ Printer ribbon spare
557.202.117	Serial printer cable for MPM800 or FIM800
557.200.757	Semi Flush Fire Alarm Panel Steel Bezel Painted 480x410mm
557.200.752	Semi Flush Fire Alarm Panel Bezel Stainless Steel 480x410mm

Table 2: Order codes - mechanical parts

Order number	Product details
557.202.807	P-EXP Panel Expansion Kit
PS-12170	17 Ah battery
PS-12260	26 Ah battery
PS-12380	38 Ah battery

Table 3: Order codes - GUI/Zonal display inserts

Order number	Product details
557.200.965	FireClass Language inserts - Dutch (Pack of four)
557.200.967	FireClass inserts with icons (Pack of four)
557.200.971	FireClass Zonal Display inserts

Performance characteristics

Table 4: Performance characteristics

	FC702S	FC702D
Number of loops	1 HP or 2 SP	
Addresses per loop	up to 250	
Total number of addresses	250	
Number of zonal LEDs	16	
Number of zones supported	240	
Dimensions H x W x D mm	480 x 410 x 140	480 x 410 x 205
Weight - excluding batteries	9.7 kg	12.5 kg
Backbox colour	RAL 7035 fine texture matt	
Door colour	RAL 7035 fine texture matt	
User interface surround	RAL 7016	
Operating Temperature	-5°C to +50°C	


Table 4: Performance characteristics

	FC702S	FC702D
Storage Temperature	-20 to +70 °C	
Relative humidity, continuous, non-condensing	90% RH	
IP Rating	IP30	
EMC/RFI	EN50130-4, EN61000-6-3	
Supply voltage (panel)	230 VAC 50/60 Hz	
Input current (panel)	1.6 A	
Battery capacity	17 Ah	38 Ah

- ① **Note:** The operating temperature is approved by BRE to 40°C in accordance with the requirements of EN54-2 and EN54-4. Testing to 50°C was performed internally with satisfactory results.

Approvals

Table 5: Approvals

	 19 2831-CPR-F2668 21 0832-UKCA-CPR-F0388 (FC702S) 0832-UKCA-CPR-F0390 (FC702D) Tyco Fire and Security GmbH, Victor von Bruns-Strasse 21, 8212 Neuhausen am Rheinfall, Switzerland.	EN standards		MED	European Type Approvals					International Listings		
		EN 54-2	EN 54-4		LPCB	VDS	AFNOR	FNO	SBSC	FP ANZ	HK FSD	TFTF
FC702S	DOP-2018-4263	x	x		x							
FC702D	DOP-2018-4264	x	x		x							

All required declarations and certificates are publicly available on the website www.fireclass.com and are searchable by number or model name. The above fire detection products are components designed for use in Addressable Systems exclusively available to registered partners only. They are intended for installation by trained registered personnel only. Systems should be installed and configured according to local regulations.