

## Comparison FC510/FC520 and FC503/FC506



The new addressable fire detection panels, FC503 and FC506, effectively replace the legacy FC510 and FC520 models. Based on the latest FireClass addressable technology, these out-of-the-box panels do not require configuration tools or software, saving users both time and installation costs.

The FC503 panel features a triple circuit single loop (three in one) that can support up to 250 addressable devices and 128 zones. The FC506 panel offers two triple circuit loops (six in two) that can support 500 addressable devices in 256 zones. These capabilities make the panels ideal for small to medium sized applications such as factories, warehouses, schools, hotels and other medium to large buildings.

The FC503 and FC506 FireClass panels together with the FC501 fire alarm panel now offer a complete product portfolio to suit many different requirements. Every of these panels can also be paired with the new FC500 repeater, which replaces the FC500REP repeater. Up to eight FC500 repeaters can be configured with the FC503 and FC506 with a maximum distance of 1,000 meters to the last repeater.

### Additional Benefits:

- Latest addressable digital technology from FireClass
- Out-of-the-box panels do not require configuration tools or software, saving users both time and installation costs
- Triple circuit single loop (three in one) technology (two triple circuit single loops for FC506) saving installation cost by additional flexibility and minimising unused addresses on the loop
- 1A loop current
- Simplicity known from FC501 panel
  - Minimum training required, if you already worked with FC501 panel range
- Common Software tools known from FC501
- New FC500 Repeater compatible with FC501, FC503 and FC506 panels – visually fitting design, latest technology, compatible with whole FC500 range
- PSTN interface integrated on board – no need for additional module which saves cost

# A new class of Fire Detection

	FC510/FC520	FC503/FC506	BENEFIT
<b>No. of Loops</b>	FC510: 1 Loop FC520: 2 Loops	FC503: 1 Loop FC506: 2 Loops	
Loop Splitter / Sub-Loops	NA	FC503: 1-3 sub-loops FC506: 2-6 sub-loops	The shared loop principle enables effective system design and saves time and installation cost.
Max Current Draw per Loop	400mA/40V	1 A/40V	More power per loop to accommodate the use of visual alarm and visual indication devices.
No. of Devices	FC510: 250 FC520: 500	FC503: 250 FC506: 500	
<b>Outputs</b>			
Fault	1	1	
Fire	1	1	
Relay	2	2	
RS485 Interface	1	1	
<b>AC Mains Voltage</b>		230Vac -15%/+10%, 50-60Hz	
PSU's	BAQ140T24 (27.6V 5.5 A)	BAQ140T24 (27.6V 5.5 A)	
Battery Capacity	2 (17A/h)	2 (17A/h)	
Maximum Battery Capacity	38 Ah	38 Ah	
Battery Optional Box	YES	YES	
Panel Cabinet	Metal	Plastic / Metal	Robust, but lighter product solution
PSU's	BAQ140T24 (27.6V 5.5 A)	BAQ140T24 (27.6V 5.5 A)	
<b>Management SW</b>			
Software	FireClass 500 console	FireClass console	
Communication Channels	RS232, RS485, IP	RS232, USB, IP, RS485	The new USB inter-face enables: <ul style="list-style-type: none"> <li>• Upload/download panel configuration</li> <li>• Upload languages</li> <li>• Upload vocal dial out messages</li> <li>• Firmware upgrade</li> </ul>

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Communicators			
PSTN (Voice, Data)	External Module	On Board	No extra cost for the PSTN module since this is already included on the board.
IP	FC500IP (Add On)	FC500IP (Add On)	
FC500 MFI Interface	4	4	
FC500 Repeaters	8 (old FC500REP Repeater)	8 (new FC500 Repeater)	The modern, sleek design of the re-peater is the ideal choice for environments where design and appearance is important, e.g. hotel reception, retail store etc.
FC500 Clients	7	7	