



	FCAx2	FCAx3	
Price	Same Price		
Refrigeration			
Input Sensor	Two temp probes or One temp probe + one door switch.	Three temp probes or Two temp probes + one door switch	Increased control
Probe Resistance	100 kΩ	100 kΩ	Uses the same Probe
Energy Saving	No	Yes	Temperature set-back mode
Parameter Reading	No	Yes	Interface cable to the PC, Connected display, In the app via Bluetooth On the portal via GSM (planned)
Connectivity			
Internal Bluetooth	No	Yes	For reading parameters, status and alarms.
External Bluetooth	No	Yes	Interface to GBR4. For reading parameters, status and alarms.
External GSM	No	Yes	Planned interface to GMC0 or GMC4 for always on connectivity.
Display			
Connects to a Sollatek Display	No	Yes	(13mm, 30mm, 50mm digit heights). All colours RYGBW
Voltage Protection			
Power Supply	Normal	Enhanced PSU	Better reliability where SMPS controller is better protected against high voltage spikes
Loss of Neutral (415VAC)	No	Yes	
Programming			
PC Configuration Interface	Yes	Yes	FCAx3 interface has additional features including parameter reading and error checking
Sollatek Programmer	SPP01A	SPP02C	
Connectors			
Output	FCA12 & FCA22: 0.25" Blades FCA32: 0.25" Blades, Aux 1 & 2 wire and crimps	All models: All outputs through 0.25" Blades	
Polarised Sensors to Prevent Misconnection	No	Yes	Uses the same probe, FCAx3 enclosure prevents misconnection
USB port	Mini	Micro	
Construction			
Material	PP	PA6-GF20	Stiffer, better dimensional stability
UL94 Flammability (0.8 mm)	V-0	V-0	
GWFI (°C)	960	960	
GWIT (°C)	-	850	
Impact Strength (kJ/m ²)	4.1	8.5	
Heat Deflection Temp (°C)	120	205	
Mechanical			
Mounting	M4 threaded bosses with nuts	Blind hole with M4 x 12 screws	Negate the risk of the bosses breaking off if the FCA is mishandled
Dial Size (mm)	38.1	30	
Dial Label	0-9	Off, 1-9	
Dimensions (mm)	42 X 82 x 36	42.3 X 90.3 X 37	
Weight (g)	100	135	
Environmental			
Ingress Protection	Electronics: IP65	Electronics: IP65	
USB Port Ingress Protection	Detachable rubber bung	Captive rubber cap	New bung will be retained and provide much better environmental protection
Certification			
EMC	Selected models	All models	
UL	UL873	UL60730-1, UL60730-2-9	
IEC	IEC60730-1 (excluding clause 23:EMC), IEC60730-2-9	IEC60730-1, IEC60730-2-9	
NSF	ANSI2	ANSI2	