



		SCC Self Contained Controller	DCC Dual Channel Controller	QCC Quad Channel Controller	FCS Flexible Control System	FCS-8 Flexible Control System
General	Number of Channels	Up to 2 channels	Up to 2 channels	Up to 4 channels	Up to 128 channels	Up to 8 channels
	Display Type	LED indicators	2x16 character LCD with LED indicators	4x20 character LCD with 3 push buttons and LED indicators	8.1 cm / 3.2 in resistive touch screen with LED indicators	8.1 cm / 3.2 in resistive touchscreen with LED indicators
	Enclosure	ABS /Polycarbonate UL94-5VA, IP54 with splash guard, copper coated interior to reduce RF interference	ABS /Polycarbonate UL94-5VA, IP54 with splash guard, copper coated interior to reduce RF interference	ABS /Polycarbonate UL94-5VA, copper coated interior to reduce RF interference	ABS /Polycarbonate UL94-5VA, copper coated interior to reduce RF interference	ABS /Polycarbonate UL94-5VA, copper coated interior to reduce RF interference
	Audible Alarm	Internal: standard	Internal: standard, or Optional: door mounted extra loud or water tight	Door mounted: standard, or Optional: door mounted water tight buzzer	Door mounted: standard, or Optional: door mounted water tight buzzer	Door mounted: standard, or Optional: door mounted water tight buzzer
	Communication	Analog (4-20 mA or 0-10 VDC)	Analog (4-20 mA or 0-10 VDC)	QCC-M: Modbus® for LAN and WAN communication QCC-B: BACnet® for WAN communications only	FCS-M: Modbus® for LAN and WAN communication FCS-B: BACnet® for WAN communications only	FCS-8-M: Modbus® for LAN and WAN communication FCS-8-B: BACnet® for WAN communications only
Factory Installed Options		Options: IH, S	Options: A, WA, L, S, T	OptionS: AO with datalogging, IH, L, SW, WA	Options: AI, 2AI, AO, 2AO, AIAO, DL, IH, L, WA	Options: AI, 2AI, AO, 2AO, AIAO, DL, IH, L, WA
Sensor Technology	Internal Sensors	Electrochemical Carbon Monoxide, Nitrogen Dioxide	Electrochemical Carbon Monoxide, Nitrogen Dioxide, Nitric Oxide, Oxygen, Hydrogen Sulphide, Ethylene, Sullphur Dioxide	No	No	No
	ESH-A Remote Sensor	Catalytic Hydrogen, Methane, Propane	Catalytic Hydrogen, Methane, Propane, PID TVOCs	wired to transmitter, not to the controller - see Transmitter Comparison Chart for ESH-A Remote Sensor options		
	Remote Transmitters	LPT Low Power Transmitter	ART, LPT, LPT-A, CXT, AST-IS Transmitters	ART, LPT, LPT-A, LPT-P, LPT-M, CXT, AST-IS Transmitters	ART, LPT, LPT-A, LPT-P, LPT-M, CXT, AST-IS Transmitters	ART, LPT, LPT-A, LPT-P, LPT-M, CXT, AST-IS Transmitters
Compatible Peripheral Devices	QCC-RDM Remote Display	No	No	Maximum 4	Maximum 20	Maximum 4
	LNK-AO Analog Output	No	No	Maximum 1	Maximum 15 (equals 60 outputs), with no internal AO	Maximum 2 (equals 8 outputs), with no internal AO
	LNK-AI Analog Input	No	No	No	Maximum 15 (equals 60 inputs), with no internal AI	Maximum 2 (equals 8 inputs), with no internal AI
	LNK-XT Network Extender	No	No	Yes	Yes	Yes
	RLY-4 Remote Relay	No	No	Maximum 1	Maximum 14 (equals 56 remote relays), with no RLY-8	Maximum 2 (equals 8 remote relays), with no RLY-8
	RLY-8 Remote Relay	No	No	No	Maximum 7 (equals 56 remote relays), with no RLY-4	Maximum 1 (equals 8 remote relays), with no RLY-4
Electrical	Power Requirement	Low voltage: 16-30 VDC or 12-28 VAC, 10 W, Class 2 Line voltage: 90-240 VAC, 50-60 Hz	Low voltage: 16-30 VDC or 12-28 VAC, 10 W, Class 2 Line voltage: 90-240 VAC, 50-60 Hz	Line voltage: 90-240 VAC, 50-60 Hz, 75 W	Line voltage: 90-240 VAC, 50-60 Hz, 75 W	Line voltage: 90-240 VAC, 50-60 Hz, 75 W
	Current Draw	Low voltage: 400 mA @ 24 VDC 110 VAC Line voltage: approx. 90 mA 220 VAC Line voltage: approx. 45 mA	Low voltage: 400 mA @ 24 VDC 110 VAC Line voltage: approx. 90 mA 220 VAC Line voltage: approx. 45 mA	110 VAC Line voltage: 500 mA 220 VAC Line voltage: 1A	110 VAC Line voltage: 500 mA 220 VAC Line voltage: 1A	110 VAC Line voltage: 500 mA 220 VAC Line voltage: 1A
	Output	None	Two 4-20 mA outputs	Modbus® RS-485 or BACnet® RS-485 to BAS Modbus® RS-485 local area network Two internal 4-20 mA outputs with data logging (Option -AO) One drive output for strobe/horn	Modbus® RS-485 or BACnet® RS-485 to BAS Modbus® RS-485 local area network Four or eight internal 4-20 mA analog (Option -AO or 2AO) Two drive outputs for strobe/horn	Modbus® RS-485 or BACnet® RS-485 to BAS Modbus® RS-485 local area network Four or eight internal 4-20 mA analog (Option -AO or 2AO) Two drive outputs for strobe/horn
	Input	Optional: one 4-20 mA input (replaces remote sensor)	One configurable 4-20 mA input	Total of four: Modbus® RS-485 and/or 4-20 mA analog	Modbus® RS-485 Four or eight internal 4-20 mA analog (Option -AI or 2AI)	Modbus® RS-485 Four or eight internal 4-20 mA analog (Option -AI or 2AI)
	Wiring (power)	24 VDC or 24 VAC: 2-conductor shielded VAC (line voltage): 3-conductor shielded	24 VDC or 24 VAC: 2-conductor shielded VAC (line voltage): 3-conductor shielded	VAC (line voltage): 3-conductor shielded Modbus RS-485: 4-conductor shielded	VAC (line voltage): 3-conductor shielded Modbus RS-485: 4-conductor shielded	VAC (line voltage): 3-conductor shielded Modbus RS-485: 4-conductor shielded
	Relays	Two SPDT, rated 5 amp @ 240 VAC	Two SPDT, rated 5 amp @ 240 VAC	Three SPDT, rated 5 amp @ 240 VAC	Four SPDT, rated 5 amp @ 240 VAC	Four SPDT, rated 5 amp @ 240 VAC
	Fuse	Automatic resetting thermal	Automatic resetting thermal	Automatic resetting thermal	Automatic resetting thermal	Automatic resetting thermal
Environmental	Operating Temperature	-20°C to 40°C (-4°F to 104°F)	-20°C to 40°C (-4°F to 104°F)	-20°C to 40°C (-4°F to 104°F)	-20°C to 40°C (-4°F to 104°F)	-20°C to 40°C (-4°F to 104°F)
	Humidity	15 - 90% RH non-condensing	15 - 90% RH non-condensing	15 - 90% RH non-condensing	15 - 90% RH non-condensing	15 - 90% RH non-condensing
Certifications		CSA, UL, CE, FCC	CSA, UL, CE, FCC	CSA, UL, CE, FCC, BTL	CSA, UL, CE, FCC, BTL	CSA, UL, CE, FCC, BTL

Codes for Factory Installed Options:

A = door mounted loud buzzer AI = Analog Input AO = Analog Output DL = Door Lock with keys IH = Internal Heater for enclosure L = Top Mounted Strobe S = Splash Guard SW = Manual Shutoff Switch T = built in Timer with manual shutoff switch WA = door mounted water tight buzzer