



## FCS-32 Thirty-two Gas Channel BACnet® Controller

	Standard Enclosure
<b>Dimensions: Size</b>	10.0" x 8.9" x 4.44" / 254 mm x 226 mm x 113 mm
<b>Weight</b>	4 lbs / 1.8 kg
<b>Construction</b>	ABS / Polycarbonate, IP54 rating with door mounted, watertight buzzer installed, copper coated interior to reduce RF interference
<b>Power Requirement</b>	90 – 240 VAC, 50-60 Hz 75 W line voltage
<b>Power Distribution</b>	65W @ 24VDC supplied by the FCS for peripheral devices
<b>Temperature</b>	-20°C to +40°C (-4°F to 104°F)
<b>Humidity</b>	15 to 90% non-condensing
<b>Indicators</b>	3.2" / 8.1 cm graphic, 1/4 VGA full colour resistive touch LCD screen with LED indicators for "POWER", "STATUS 1, 2 and 3" and "FAULT"
<b>Menu</b>	Accessed using resistive touch screen
<b>Communication (WAN)</b>	Acts as a master and responds to information requests from a DDC, BAS, etc. using BACnet® MS/TP RS-485 communication
<b>Communication (LAN)</b>	Acts as a master requesting information and commanding status of peripheral devices (transmitters, remote relays, remote displays, etc.) using Modbus® RTU RS-485 communication
<b>Standard Inputs</b>	Up to thirty-two digital inputs, using internal or remote Modbus® RTU transmitters
<b>Optional Internal Analog Inputs (Option -AI)</b>	Up to eight internal 4-20 mA inputs
<b>Remote Analog Inputs (LNK-AI)</b>	Up to thirty-two remote 4-20 mA inputs (without any internal analog inputs)
<b>Standard Outputs</b>	BACnet® MS/TP RS-485 WAN Four internal SPDT dry contact relays rated at 5A @ 240VAC Two drive outputs for strobe/horn (0.5 A @ 24 VDC max)
<b>Optional Internal Analog Outputs (Options -AO or 2AO)</b>	Up to eight internal 4-20 mA outputs (without Option -2AI installed)
<b>Remote Analog Outputs (LNK-AO)</b>	Up to sixty remote 4-20 mA outputs (without Options -AO or -2AO installed)
<b>Ports</b>	USB port for firmware upgrades and data logging downloads
<b>Internal Relays</b>	Four internal SPDT dry contact relays rated at 5A @ 240VAC
<b>Remote Relays (additional)</b>	Total number of available relays (internal + remote) plus strobe/horn drives is 64. Max number of RLY-4 and/or RLY-8 devices varies depending on number of strobe/horn drives used and internal relays used.
<b>Alarm</b>	Standard loud, door mounted buzzer rated 90 dB @ 1 ft / 30 cm (optional watertight version available), two 24VDC output drives for remote strobe/horns
<b>Wiring</b>	4-wire shielded network wiring between FCS and digital devices 3-wire shielded wiring between FCS and analog transmitters
<b>Certifications (tested to)</b>	CSA: C22.2 NO.205-12 UL: UL508 (Edition 17): 2007 CE: EMC Directive 2004/108/EC, EN50270:2006, Type 1, EN61010 Listed by BTL

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