FCS-8 Eight Channel Modbus® Controller

	Standard Enclosure
Dimensions: Size	10.0" x 8.9" x 4.44" (254 mm x 226 mm x 113 mm)
Weight	4 lbs (1.8 kg)
Construction	ABS / Polycarbonate blend, water/dust tight, corrosion resistant, copper coated interior (designed to meet IP54 standard), rated UL94-5VA
Power Requirement	90 – 240 VAC, 50-60 Hz 75 W line voltage
Power Distribution	65W @ 24VDC supplied by the FCS for peripheral devices
Temperature	-20°C to +40°C (-4°F to 104°F)
Humidity	15 to 90% non-condensing
Indicators	3.2" (8.1 cm) graphic, 1/$ VGA full colour resistive touch LCD display Status indicators for low, mid, high alarms and fault status
Menu	Accessed using resistive touch screen
Communication (WAN)	Responds to Modbus® commands from a master
Communication (LAN)	Acts as a master requesting information and commanding status of peripheral devices (transmitters, remote relays, remote displays, etc.) using Modbus® communication
Ambient Inputs	Up to eight channels of ambient condition inputs, using almost any combination of internal or remote analog inputs and Modbus® RTU transmitters
Internal Analog Inputs (optional)	Up to eight 4-20 mA inputs (dependent on the configuration of Options – AO and -2AO, mutually exclusive with internal analog outputs)
Internal Analog Outputs (optional)	Up to eight 4-20 mA outputs (dependent on the configuration of Options – AI and -2AI, mutually exclusive with internal analog inputs)
Remote Analog Inputs (additional)	Up to eight remote 4-20 mA inputs (dependent on the number of internal analog inputs)
Remote Analog Outputs (additional)	Up to eight remote 4-20 mA inputs (dependent on the number of internal analog outputs)
Ports	USB port for firmware upgrades and data logging downloads
Internal Relays	Four SPDT dry contact relays rated at 5A @ 240VAC
Remote Relays (additional)	Up to eight remote SPDT dry contact relays rated at 5A @ 240VAC relays using the RLY-4 (max 2) or RLY-8 (max 1) Peripheral Devices on the LAN
Alarm	Standard loud, door mounted buzzer rated 90 dB @ 1 ft (30 cm) (optional water tight version available), two 24VDC output controls for remote strobe/horns
Wiring	4-wire shielded network wiring between FCS & digital devices 3-wire shielded wiring between FCS & analog transmitters
Certifications	Tested to: CSA: C22.2 NO.205-12 UL: UL508 (Edition 17): 2007 CE: EMC Directive 2004/108/EC, EN50270:2006, Type 1, EN61010

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