



Q4C II Controller & Alarm Communicator



The Q4C II is a multi-channel controller display and alarm unit that utilizes digital communications to interface with a maximum of four (4) remote digital transmitter/sensors. This series provides reliable measurement of a wide variety of toxic gases such as CO, NO2, NH3, H2S, SO2, Refrigerants, and Combustibles. The RS-485 communication is connected via a 4-wire, multidrop daisy chain configuration to reduce the overall installation cost of the system. Alarm setpoints are set through the front keypad or the M-View software (Included) that is downloaded to the Q4C II from a PC or laptop computer. Common relay configurations include voting, averaging, delay on actuation and de-actuation, normally or not-normally energized and latching. The audible alarm has three buzzer settings; continuous, intermittent and double-tap intermittent. The Q4C II has a dedicated 24 VDC transistor output terminal for horn and strobe. Includes four (4) SPDT relays and an RS-485

Modbus output with BACnet IP option available. The Q4C II comes standard with a 128 X 32 backlit display, key pad, software and interface cable. Refer to all applicable Federal, State, Provincial and Local Health and Safety laws and regulations before using these products.

Applications: Underground Parking Garages, Water Treatment Plants, Municipal Service Garages, Aircraft Hangers, Chiller Monitoring, Warehouses, Automobile Dealerships & Battery Charging / Storage

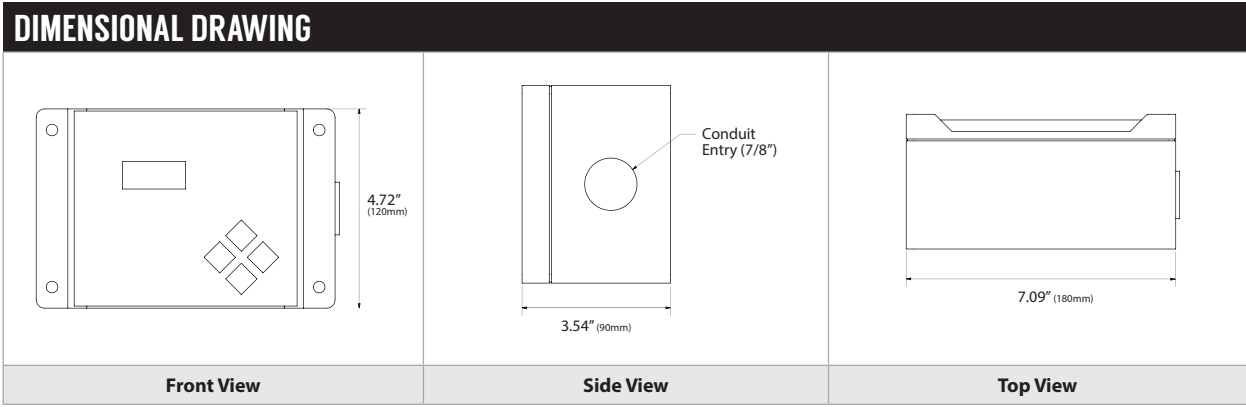
well as on ACI's website, The Q4C Series is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website,

PRODUCT SPECIFICATIONS	
Input Power¹:	18 – 30VDC, 24 VDC Nominal, 12 – 24VAC, 24VAC Nominal Half-wave or Full wave rectified
Current:	0.75 max (Fuse protected)
Enclosure:	IP66 & NEMA 4, 4X, 12 & 13 ratings UL listed 508 listed (File # E65324)
Enclosure Material:	ABS Plastic
Operating Temperature Range:	Industrial: -20° to +50° C (-4° to 122° F)
Operating Humidity Range:	Continuous 5 to 95% RH, non-condensing up to 31 C, decreasing linearly to 80% @ 40C
Input Types:	RS-485 digital port for up to 4 QEL transmitter/sensors USB programming port
Output Comm Ports:	Modbus RTU (Slave), BACnet IP (Optional)
LED Status Lights:	Eight (8) Status LEDs: RS-485 port TX/RX Status LED for Sensor Network RS-485 port TX/RX Status LED for Modbus or BAC-Box 4 Relay Status LEDs
Recommended Cable:	Power: Twisted shielded pair Communication: (RS-485) - Belden 9841 or equivalent
Panel Controls:	4X tactile and audible keypad
Audio/Visual Indicators:	Two (2) 24VDC transistor ports 250mA max (Fuse protected) each
Relay Outputs:	Four (4) SPDT 5A resistive @ 250VAC/30 VDC 3.7A Inductive @ 250VAC/30 VDC
Relay Assignment:	Independent, individually set to one or all transmitter/sensors
Time Delays:	0 – 60 Minutes On/Off delays
LCD Display:	128 x 32 LCD Display c/w Backlight
Product Dimensions:	7.09" (180.00 mm) x 4.72" (120.00 mm) x 3.54" (90.00 mm)
Product Weight:	1.87 lbs (4.12 kg)

Note: Sensors and system should be scheduled to be tested for accuracy and functionality every 6 months for toxic, and every 3 months for combustible | Recalibrate or replace sensor boards if necessary

Note¹: Refer to wiring diagram or contact ACI Technical Support for wiring connections





STANDARD ORDERING

Model #	Item #	Description
Q4C-II-X	150796	Controller with M-View Software and Programming Cable

ACCESSORIES ORDERING

Model #	Item #	Description
85530-010-000	150896	M-View USB Software
M-SWITCH	127160	M-Switch for M-Controller / Q4C Controller
5610-0101	150897	USB A to USB B M/M Programming Cable
BAC-BOX-0	127160	BACnet IP Output Module

ACCESSORIES ORDERING | HORN STROBE

Model #	Item #	Description
FSIG-SLM500A	136476	Streamline Horn and Strobe (Amber)
FSIG-SLM500B	142976	Streamline Horn and Strobe (Blue)
FSIG-SLM500C	150028	Streamline Horn and Strobe (Clear)
FSIG-SLM500G	143013	Streamline Horn and Strobe (Green)
FSIG-SLM500R	143132	Streamline Horn and Strobe (Red)

ACCESSORIES ORDERING | MOUNTING BASE

Model #	Item #	Description
FSIG-SLMBD-012-024GY	142977	Deep Base for FSIG-SLM500 Series; Gray
FSIG-SLMBW-012-024GY	136477	Wall Mount Base for FSIG-SLM500 Series; Gray

Note: See Strobe & Alarm Data Sheet if required

