

# ModCon™ 75 Touch Controller



- Self-configuring to Ultima® X Gas Monitors with X3 Technology
- ModBus RTU input
- ModBus-over-Ethernet interface
- View and control of up to 25 Ultima X Gas Monitors with X3 Technology (75 total sensors)
- All pertinent data displays on main data screen
- 24 VDC power supply on all wall mount versions
- Battery backup holds system information in case of power loss
- Event logging—alarm and fault events can be stored on SD card
- Nine zone control relays
- Password-protected
- Common fail-safe fault and horn relay

## **The perfect touch to add to your Ultima X Series Gas Monitors with X3 Technology.**

MSA's ModCon75 Touch Controller is designed for use with your Ultima X Gas Monitor with X3 Technology, enabling self-configuration, saving time and money. This new, economical choice is suitable for all industrial, municipal, oil, gas, petrochemical, and HVAC applications.

**WE KNOW WHAT'S AT STAKE.**

Pre-programmed, self-configuring controller for monitoring up to 25 Ultima® X Gas Monitors with X3 Technology (75 sensors total). Compact unit allows for remote control of many sensor/transmitter features. ModBus RTU input and ModBus-over-Ethernet interface capability.



### ModCon75 Touch Controller Specifications

Physical Characteristics	
PANEL MOUNT	Weight: 2.61 lbs.
	Dimensions: 5.91"H x 8.31"W x 4.49"D
	Enclosure type: none
	Maximum number of sensors: 75
	Front panel is IP66/NEMA 4X (when mounted)
	Mounting provisions: installation designed for panel mount
WALL MOUNT	Weight: 15.6 lbs.
	Dimensions: 17.6"H x 15.3"W x 7.3"D
	Enclosure type: NEMA 4X fiberglass enclosure with panel mount display and controls
	Maximum number of sensors: 75
	Mounting provisions: 4 mounting holes located on top and bottom (2 each) for flat surface attachment
Graphical Display Screen	
LCD DISPLAY	TFT Type
BACKLIGHT TYPE	White LED
TYPICAL BACKLIGHT HALF-LIFE	50,000 hours
RESOLUTION	800 x 480 pixels
SIZE	7" ( 177.8 mm)
TOUCH SCREEN	Resistive analog
Memory	
INTERNAL MEMORY	RAM-512 MB, ROM-3 GB system memory, 1 GB user memory
EXTERNAL MEMORY PORT	32 GB micro SD card
Battery Backup	
BATTERY BACKUP	Battery backup for all memory sections and real-time clock
Environmental	
OPERATING TEMPERATURE	-20°C to 55°C (-4°F to 131°F)
OPERATING HUMIDITY RANGE	5 to 95% RH, non-condensing

### Typical Display

- Touch screen
- Scrolling display features sensor gas type, gas reading, and engineering units
- Unit continuously scrolls through sensor screens
- Quick view of network status on main data screen
- Immediate override of sensor polling to indicate alarms or faults

### Main Menu

- Navigate through the menu options using plain language text for improved ease of use
- Offers easy access to add nodes, view and edit alarm set-points, set zone relays, and set password

### Alarm Set-Points

- Factory set-points are downloaded automatically from the Ultima X Gas Monitor with X3 Technology during setup
- Alarm set-points are easily modified by user at the ModCon75 Touch or gas monitor
- Sensor alarm options include on/off, latching/non-latching and increasing/decreasing
- Password-protected

### Options

- Choice of panel- or wall-mounted versions
- Remote relay box

Part No.	Description
10196557	Panel Mount
10196554	Wall Mount

Approvals for Unitronics Controllers	
APPROVALS (UNITRONICS CONTROLLERS)	cULus Investigated to CAN/CSA-C22.2 No 142, ANSI/UL 508

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products. Specifications subject to change without notice.



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