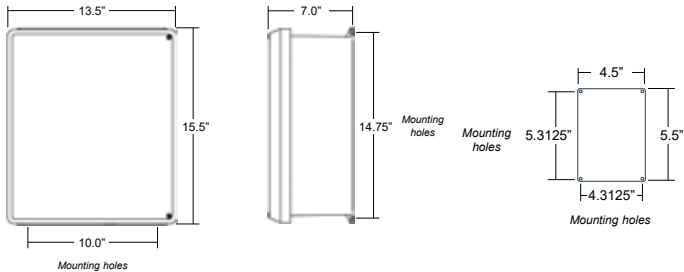


GASMARK M255 Expansion Module

Add inputs and/or outputs to the M255 Controller



The GASMARK™ M255 Expansion Modules are intended to provide users with options to increase the number of analog inputs and/or outputs for the GASMARK™ M255 gas detection control panel. Each module may be added independently to an M255 network. This modular design provides users with the ability to tailor the network to the unique needs of their facility. All modules allow an operator to monitor and/or control connected devices from the GASMARK™ M255 control panel. Modules can be installed in any approved enclosure.



M-XM-ENC	M-RM8	M-AIM8	M-DIM4	M-AOM8
Enclosure with pre-drilled backplate for up to 4 modules	Relay Output Module Eight (8) Relays	Analog Input Module Receives up to Eight (8) 4-20mA analog inputs	Discrete Input Module Receives up to Four (4) NO/NC inputs	Analog Output Module Outputs up to Eight (8) 4-20mA signals

SPECIFICATIONS

	M-RM8	M-AIM8	M-DIM8	M-AOM8
Voltage	24Vdc with isolation or class 2 power supply			
Device Current	250 mA @ 24Vdc			
Pass-through Current	7.5A@24Vdc Relay Output: 5A@24Vdc 8A@120-240 Vac	1.5A @ 24Vdc per channel, 12A max per module	7.5A @ 24Vdc	
Communications Modbus	Modbus RTU, 8-E-1 @ 9600 baud			
Communications Analog		Input Signal: 4-20mA, 251 Ohm Input Impedance		Output Signal: 4-20mA
Fuses	Replaceable 58V, 7.5A Blade	Not Field Serviceable	Replaceable 58V, 7.5A Blade	Not Field Serviceable
Terminal Plugs	26-12 AWG, torque 4.4 in-lbs.			
Dimensions	Modules: 5.55" x 4.47" x 1.25" / Enclosure: 15.5" x 13.5" x 7"			
Weight	Modules: 0.44 lbs / Enclosure: 4.2 lbs			
Location	Indoor - Dry Location requires NEMA Type 1 or better enclosure. Outdoor - Wet locations require NEMA 4 or 4X enclosure.			
Temperature Range	-4°F to 122°F (-20°C to 50°C)			
Humidity	10-90% RH condensing			
Altitude	Up to 4000 m (13,123 ft)			
Pollution Degree	Pollution Degree 2			
Transient Overvoltage	Category II			
Enclosure	UL Type 1 or better is required under Conditions of Acceptability. CTI's M-XM-ENC is rated as Type 4X to UL Std: 508 File No. E54315, CSA C22.2 No. 94, File No. LR36508 and includes a backplate with mounting bosses and screws to accommodate up to four (4) expansion modules.			
Certifications	Designed to UL Std: 61010-1 (2018), CSA Std: 22.2 No. 61010-1-2018			

APPLICATIONS

Cold Storage
Compressor Rooms
Sea Vessels
Shipping Warehouses
Ice Rinks
Refrigeration
Food Processing
Breweries
Grocery Stores
Wastewater
Chemical Plants
Vehicle Depots
Wineries
Water Treatment
Pharmaceuticals