



Single Channel



Two Channel

MAC Controllers provide reliable self-contained gas detection, available in one or two sensor versions. Many different electrochemical sensors can be integrally installed in the MAC.

Any AST or ATW series transmitter can be remotely mounted and connected to the MAC controller.

The standard housing is rugged PVC and an optional watertight polycarbonate housing is available to suit different applications.

Calibration and maintenance procedures are simple and are easily performed in the field.

Gases Detected:

CO, NO₂, Ammonia, Chlorine, Ozone, H₂S, Oxygen, NO, SO₂, Hydrogen, ETO

MAC features:

- 2 alarm relays
- audible alarm
- LED indicator for power and alarm status
- temperature compensation
- automated calibration
- calibration due notification
- selectable time delays on alarm

Applications:

Vehicle exhaust - parking garages, repair shops
Fire Halls & Ambulance Bays
Arenas - Ammonia, CO, NO₂
Pools - Chlorine, Ozone
Food plants - Ammonia
... and many more



MAC Mini Controllers

SENSOR LOCATION

Single Integral Sensor	A
Single Remote Sensor	B
Two Remote Sensors	C
Dual: 1 Integral & 1 Remote	D
Two Integral Sensors	E

SENSOR ONE

Ammonia (NH ₃)	EAM
Carbon Monoxide (CO)	ECO
Chlorine (Cl ₂)	ECL
Ethylene Oxide (ETO)	EET
Hydrogen (H ₂)	EH2
Hydrogen Chloride (HCl)	EHL
Hydrogen Cyanide (HCN)	EHN
Hydrogen Sulphide (H ₂ S)	EHS
Nitrogen Dioxide (NO ₂)	END
Nitric Oxide (NO)	ENO
Oxygen (O ₂)	OO2
Ozone (O ₃)	EO3
Sulphur Dioxide (SO ₂)	ESO

SENSOR TWO

Select from above list

OPTIONS

Analog Output 4-20 mA	A
Datalogger	B
90 dB Audible Alarm	I
Strobe Light	L
Strobe / Siren Combo Alarm	M
LED Digital Display	N
Splash Guard	S
Watertight Enclosure	W

REMOTE SENSOR

Use any AST or ATW series transmitter for remote sensor applications.

SPECIFICATIONS

ENCLOSURES

Standard	Rugged Drip Proof PVC
Size	8.8" x 11.0" x 3.6" (223 mm x 292 mm x 90 mm)
Weight	1.2 lbs (540 grams)

Optional	Watertight Fiberglass
Size	9.0" x 10.5" x 6.0" (230 mm x 265 mm x 150 mm)
Weight	3.5 lbs (1.6 kg)

POWER REQUIREMENT

18 - 30 VDC or 16 - 30 VAC
Optional 120 VAC

INDICATION

Visual	Tricolor LED light for Power, Fault, Low Gas Alarm, High Gas Alarm
Audible	Integral audible alarm rated 80 dB at 10' Silence button
Optional	LED digital display

RELAYS

2 SPDT dry contact relays, rated 5 amps @ 240 VAC
Delays ON (on make) and OFF (minimum run time)

ANALOG OUTPUT

Optional 4 - 20 mA or 0 - 10 VDC output

OPERATING TEMPERATURE

-20°C to +40°C (-4°F to 104°F)

HUMIDITY

0% to 95% non-condensing

FUSES

Automatic resetting thermal

CERTIFICATIONS

CSA / UL
CE pending



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