AMR PEMCO

PROVEN PARTNER IN TECHNOLOGY

WWW.AMRPEMCO.COM

Corporate Overview

AMR est. 1975

- AMR PEMCO and sister companies operate to provide electronic monitoring, controls, communications, tracking, and collision avoidance systems as well as industrial buildings, circuit breakers, dry-type transformers, and automation integration.

- Markets served include global mining, aggregates, tunneling, power generation, utilities, transit, nuclear, water/wastewater, and general industry.

- Primary sales in the U.S., Canada, Mexico, India, South Africa, and South America with sales in many other countries around the world.

ERM est. 1979

CMS est. 1995

PEMCO est. 1960 - Acquired in 2016

Delivering Projects Worldwide

Codes and Certifications

Experience With Popular Brands

AMR PEMCO

Allen-Bradley · ROSEMOUNT · ABB · GE · SIEMENS

Ignition by inductive automation · EMERSON · Schneider Electric · hp · SOLA HD Distributed by Gross Automation

HighTide TECHNOLOGIES · SQUARE D by Schneider Electric · KROHNE · AUTOMATIONDIRECT.com

Dell · RACO SINCE 1948 REMOTE ALARMS AND CONTROLS · EH Endress+Hauser · ICONICS Visualize Your Enterprise · invensys Wonderware

ThermoFisher SCIENTIFIC · GE Infrastructure Water & Process Technologies · SENSAPHONE REMOTE MONITORING SOLUTIONS · FLYGT · Rockwell Automation

Clients and Customers

AMR PEMCO

EATON

BARRICK

NORTHROP GRUMMAN

Balfour Beatty

Exelon Generation

Lhoist

FPL

SOUTHERN COMPANY

GE

INTERNATIONAL PAPER

TMEIC

M METRO

CONSOL ENERGY

aps

PEÑOLES

MORTON SALT

Rockwell Automation

Spectra Energy

Core Capabilities

- Industrial & control buildings (ICB) and equipment enclosures including HVAC systems and design, installation and integration of all types of electrical equipment

- Complete skid mounted systems including switchgear, AC & DC Drives, transformers and control systems

- Complete skid mounted power centers and substations for harsh duty applications

- Custom designed dry type transformers up to 4 MVA and 25kV class.

- Specialty magnetics for custom applications including reactors, inductors, and rectifier duty transformers

- UL and CSA certified control panels with custom enclosure design and fabrication

- 3D modeling capabilities for all enclosures and bus assemblies.

- Electrical, mechanical, and transformer engineering

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MC-6410 Multi Gas Monitor

- Monitor multiple unique gases simultaneously
- Sensors available include: CO, CO2, CH4, O2, NO, NO2, H2, H2S, SO2 and others
- Diesel Nullifying available using NO and CO sensors
- Calibration data, including last calibration date*, stored in each individual sensor module
- No tools required for sensor module replacement
- Automatic detection of installed sensors
- Automatic date & time synchronization (Wi-Fi Only)
- NETWORK INTERFACE OPTIONS:
  - IEEE 802.11 Wi-Fi
  - Radio module for AMR Mine Net™ System
  - RS485 for AMR MC-4000 or other control systems
  - 4-20mA Current Loop
- MSHA Intrinsically Safe Approval # 18-A130001

MC-6415 Smoke Sensor

AMR PEMCO's Patented MC-6415 Wireless Smoke Sensor provides monitoring for smoke and/or fire conditions in key locations. Enhanced detection and reliability are provided with a dual optical sensing chamber along with custom designed hardware to reduce the amount of environmental components such as rock dust

- Ideal for use with fire-retardant conveyor belts
- Dual optical sensors allow for reduced false alarms
- Wireless interface as well as a wired communication option
- Automatically calibrated the alarm point
- Patent pending design to limit exposure to mining environment
- Compatible with MC-4000 and Mine Net™ Mesh Systems

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Line-powered gas monitors, addressable up to 256 on each sub network.

- One compact surface mount PC board for sensor and communications

- Wide range four-digit display

- Calibrated without removing cover

- Non-intrusive sensor test and calibration with automatic surface reporting

- Available for eight different gases: CO, CH4, O2, NO, NO2, H2, H2S, and SO2.

MC-4210-CO/NO

Designed to significantly reduce the nuisance alarms associated with using diesel equipment in coal mines. In addition to emitting carbon monoxide (CO), the diesel engine also emits nitric oxide (NO) in a CO/NO ratio of approximately 4:1.

- Available as O2, CO, NO, NO2, SO2, H2S, H2
- Stand Alone or part of a complete Atmospheric Monitoring System
- Adjustable alarm and warning outputs
- Low current operation
- Easy to read 4 Digit LCD Display
- Network communications indication
- Sealed polycarbonate enclosure
- Optional Input/Output Interface PC Board available

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The MC-4210-CH4-IR Addressable Sensor is a compact monitor designed to be used with our MC-4000 System. The MC-4210-CH4-IR offers a very low current draw and is easily addressable by using three rotary switches. Units can be configured for multiple communications protocols, analog operation, or stand-alone. One compact surface mount PC board for sensor and communications

- Wide range four-digit display

- Calibrated without removing cover

- Sensor cell ZERO calibration error and SPAN calibration error indication

- Advantages Over Hot Filament – (Pellistor) Type

- Lower current draw

- Longer cell life

- Resistant to contamination

MC-4231-CO

Data line connected CO monitor with high
visibility LED and audible alarm

- One compact surface mount PC board for
  sensor and communications
- Wide range four-digit display
- Calibrated without removing cover
- Non-intrusive sensor test and calibration
  with automatic surface reporting
- Highly visible 360 degree LED array
- 103 decibel Sonalert alarm

For more information please contact us at:

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