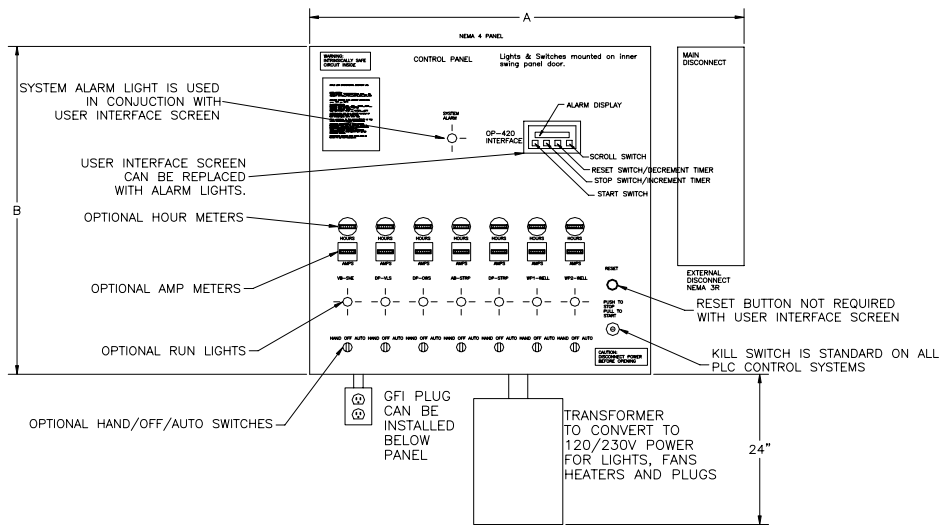


DLPLC-SERIES DIRECT LOGIC PLC CONTROL SYSTEM

Application: The MAE2 Direct Logic PLC-Based Control Panel is our standard PLC-based control system. It is capable of controlling a system at any level of complexity. Our base units can provide cost-effective control of a basic 6-input/output system right up to 100 I/O systems. Our standard package includes an operator interface screen where alarms, analogue inputs, and system status can be read along with the ability to adjust set-points, reset alarms, and start or stop the system. Our PLC control systems can be supplied with a remote-access package that allows the operator to monitor and operate the system, download data and troubleshoot alarms (see MAE2- SITE LINK below).



Dimensions Chart: (Dimensions in inches unless otherwise noted)

Part Number	A	B	DEPTH	Shipping Weight
Small Panel (12 inputs, 4 outputs or less)	40	32	12	220lb
Medium Panel (20 inputs, 8 outputs or less)	46	40	12	320lb
Large Double Panel (Over 20 inputs, over 8 outputs)	86	40	12	650lb

Standard Features:

- NEMA 4 control panel
- Includes a preliminary design package for review before building the panel
- Includes an installation guide and manual with a complete set of drawings
- Individual fused branch-circuit protection for each motor
- Motor starters and overloads for each process motor
- Class 2 24V-DC power supply to power the PLC and protect it from incoming power surges
- Factory tested prior to shipping
- User interface screen or alarm lights to display alarm status



MID-ATLANTIC ENVIRONMENTAL EQUIPMENT

DLPLC-SERIES DIRECT LOGIC PLC CONTROL SYSTEM

Options Table:	
Option	Description
UL/cUL Certification	Our control panels can be supplied with a UL/cUL approved label. This label ensures that the panel and its components are pre-approved by UL and do not need further inspection on site by local authorities.
Inner Swing Panel	All lights, HOA switches, meters, etc. can be mounted on an inner swing panel for outdoor applications. This ensures the controls are kept behind a closed, weatherproof door.
Main Disconnect	A fused main disconnect can be supplied with the control panel with NEMA 4 approval for outdoor applications.
Phase Converter	A phase converter can be installed to generate a third phase of power to allow large 3-phase motors to operate at a site with single-phase power.
Phase Monitor	A power-line phase monitor can be installed to monitor for: High voltage, low voltage, single phasing, voltage unbalance, low frequency, high frequency and power cycling. This monitor can generate an alarm that will stop the process from operating when any of the alarm conditions are detected.
Variable Frequency Drive	A variable-frequency drive can be installed for any motor. These drives can serve two purposes. First it will allow your motor to run at a different RPM allowing an adjustable flow rate. Second it can be used to generate 3-phase power, allowing a 3-phase motor to operate on a 1-phase control system.
<i>MAE2-SITE LINK</i> Telemetry Package	<i>MAE2-SITE LINK</i> Telemetry Package comes complete with a built-in landline or cellular modem along with a customized software package to allow the customer to view, operate, troubleshoot and download data from a remote location. With the <i>MAE2-SITE LINK</i> 's optional <i>E-MONITOR</i> service the customer can receive daily status reports by e-mail or fax detailing operating values, runtime hours, water/air processed etc.
Autodialer	Common autodialers provided by MAE2 include, the CIM 5000 autodialer and the Sensaphone FGD400, FGD800 and 2000 autodialers. We can supply any autodialer that the customer requests. These specialized autodialers are capable of dialing to a fax machine, pager, and sometimes email, to provide the status for multiple alarms. We can tie any alarms to an autodialer input so it sends a different signal for each alarm. We can also tie motor-status inputs into the auto dialer so the on/off status of a motor can be monitored.
Intrinsically Safe Barriers	Intrinsically Safe Barriers can be supplied on each input to allow the input to be installed in a hazardous (Class 1 Div 1 or Class 1 Div 2) area.
GFI Plug	When 120V power is available a GFI plug can be included to provide 120V power for other equipment on site.
Analogue Input Module	An analogue input module can be installed to measure, display and data log any analogue information including pressure, temperature, depth, amps, flow rate or any 4-20mA device.
Analogue Output Module	An analogue output module can be installed to control frequency, RPM, valve position or other analogue outputs. Proportional, derivative, and integral control can all be setup to control the analogue output in a process system.

Mid-Atlantic Environmental Equipment, Inc.

Is a proud distributor of environmental remediation systems manufactured by:

Maple Leaf Environmental Equipment, Ltd.