



*Omni Chief*

**UDC Alarm Repeater,  
Direct Communication Link  
to Caterpillar Engines**



***William Lyon Mackenzie***

**24.7 m Fire Boat  
Toronto Fire Services**

**PRIME MOVER CONTROLS INC.**

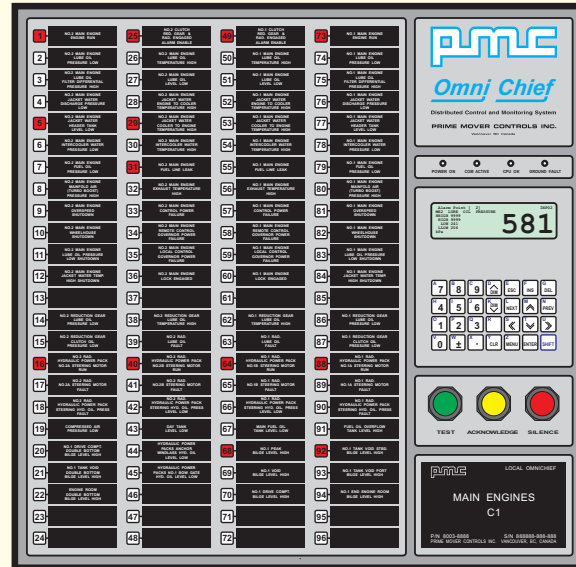
## 8003-1000 OMNI CHIEF DISPLAY PANEL

The Omni Chief is a flexible system with many configurations. The basic unit can function as a stand alone alarm annunciator. It is expandable and designed for seamless integration with the PMC IMACS graphic user interface. Gateways can be used for interfacing to virtually any other communication protocol.

This overall system provides reliable hardware and software to suit project specific requirements such as graphics, automation, safety systems, trending and health monitoring.

### FEATURES

- Any combination of analog and digital inputs
- Industry standard inputs, see specifications
- Disable / enable points based on machinery status
- Virtual points based on calculations and logic functions
- 96 point indication panel with engraved ID tags
- Graphic LCD for additional information and setup
- High speed network connection for additional computer graphics, control and monitoring
- 28 key membrane keypad
- Menu driven programming
- Setup is password protected and stored in non-volatile memory
- DC to DC converters for enhanced noise immunity
- Relay output for unit fault (communication, CPU, power and ground fault)
- Self diagnostic
- Removable connectors throughout for easy maintenance



## 8421 UNIVERSAL DISPLAY AND CONTROL



### APPLICATIONS

- Alarm Repeater
- Cabin Alarm System
- Propulsion Control
- Machinery Status
- Motor Control
- Switchboard Status
- Tank Level
- Winch Control
- Watch keeping Status
- Watertight Door Control

### FEATURES

- Up to 4 lamps, switches or pushbuttons per module and 64 points per 19" flush enclosure
- Engraved displays are back-lit using LED's or incandescent lamps with optional dimmer controls
- 12, 24 or 32 V<sub>DC</sub> operation
- Control module includes power on light, lamp test pushbutton, horn silence pushbutton and optional dimmer
- Internal horn can be controlled by direct signal or automatically when lamp is powered
- Lamp display can consist of indicator lights, maintained or momentary contact illuminated pushbuttons or two or three position illuminated selector switches
- Pushbuttons can include hinged, transparent safety covers
- Lamps accept normally open or normally closed contact input or optically isolated voltage level inputs
- Pushbutton and selector switch outputs are Form C contacts
- Silence pushbutton flashes when internal horn is on
- Output contacts operate on power failure
- All plug-in modules are front removable without tools

## PRIME MOVER CONTROLS INC.

3600 GILMORE WAY, BURNABY BC CANADA V5G 4R8

TEL 604 433-4644 FAX 604 433-5570 www.pmc-controls.com