



# Type 8421 UDC

## UNIVERSAL DISPLAY AND CONTROL

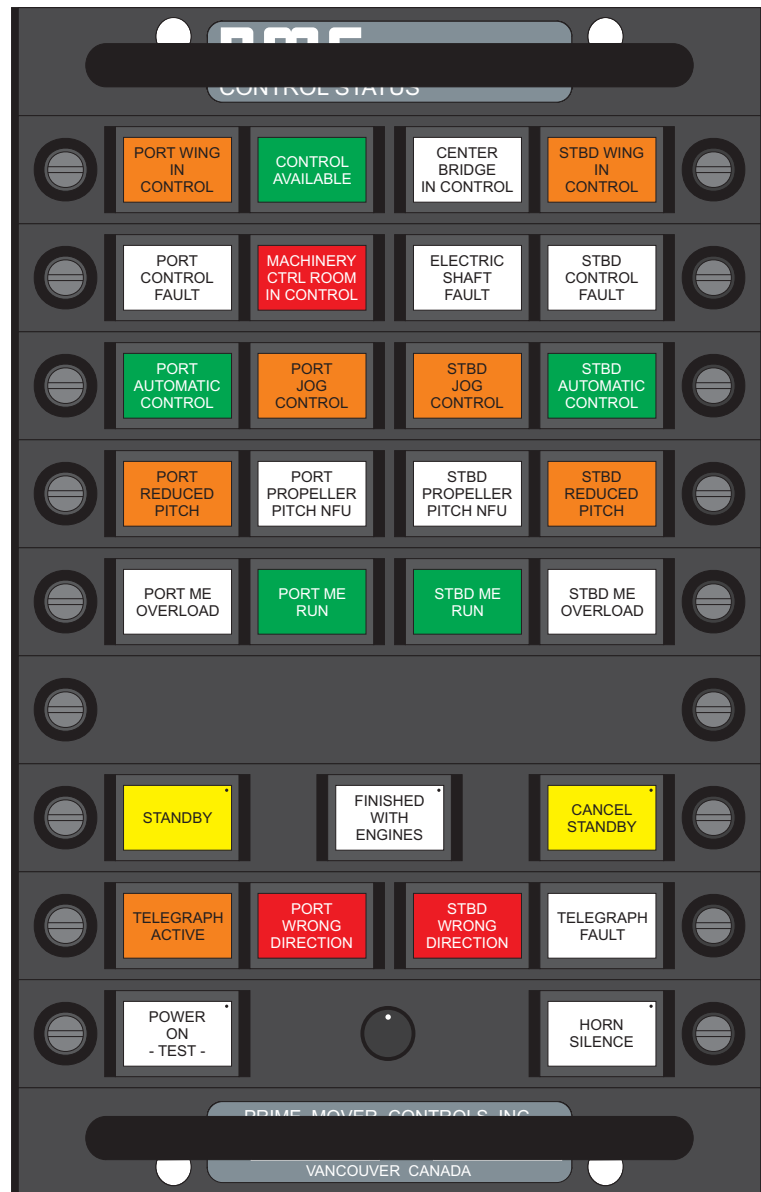
TYPE 8421 UDC

### APPLICATIONS

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

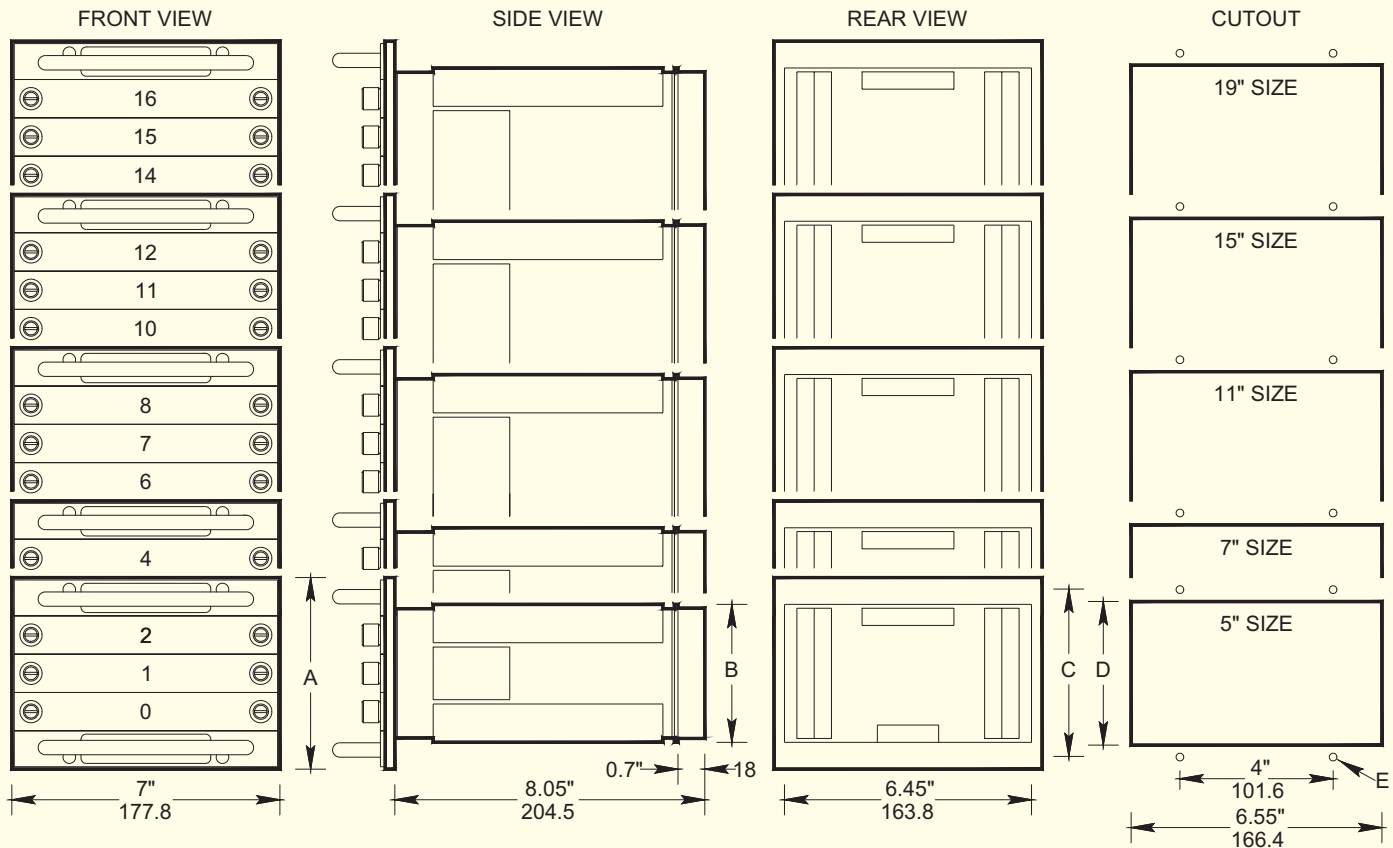
### FEATURES

- 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.**

## ARRANGEMENTS, DIMENSIONS AND CUTOUTS



ENCLOSURE DIMENSIONS (INCHES)					
A	5	7	11	15	19
B	3.60	5.60	9.60	13.60	17.60
C	4.37	6.37	10.37	14.37	18.37
D	3.75	5.75	9.75	13.75	17.75
E	4 HOLES DRILL 0.220 OR TAP 10-24 UNC				
F	MOUNTING HARDWARE KIT P/N 8800-9045				

Mounting hardware kit "F", included with each panel,  
consists of 4 socket cap machine screws, nuts and washers

ENCLOSURE DIMENSIONS (mm)					
A	127.0	177.8	279.4	381.0	482.6
B	91.4	142.2	243.8	345.4	447.0
C	111.0	161.8	263.4	365.0	466.6
D	95.3	146.1	247.7	349.3	450.9
E	4 HOLES DRILL 5.50 OR TAP M5 X 0.8				
F	MOUNTING HARDWARE KIT P/N 8800-9046				

### SPECIFICATIONS

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|--|---|
| <p><b>Components:</b></p> <ul style="list-style-type: none"> <li>- Control Module - Weight: 0.480kg (1.06lbs) - Power: 0.290 amps at 24 volts DC</li> <li>- Quad 1" Lamp Switch Module - Weight: 0.305kg (0.67lbs) - Power: 0.380 amps at 24 volts DC</li> <li>- Dual 2" LED Display Module - Weight: 0.360kg (0.79lbs) - Power: 0.360 amps at 24 volts DC</li> <li>- Dual 1" LED Display Module - Weight: 0.305kg (0.67lbs) - Power: 0.380 amps at 24 volts DC</li> <li>- Enclosure 19" - Weight: 2.950kg (6.50lbs) - Power: None - passive unit</li> <li>- Enclosure 15" - Weight: 2.380kg (5.25lbs) - Power: None - passive unit</li> <li>- Enclosure 11" - Weight: 1.850kg (4.08lbs) - Power: None - passive unit</li> <li>- Enclosure 7" - Weight: 1.350kg (2.98lbs) - Power: None - passive unit</li> <li>- Enclosure 5" - Weight: 1.120kg (2.47lbs) - Power: None - passive unit</li> </ul> <p><b>Display:</b></p> <ul style="list-style-type: none"> <li>- engraved translucent front replaceable lens backlit by LED diffused packages or by two incandescent bulbs</li> <li>- display flash rate synchronization available between multiple enclosures</li> </ul> <p><b>Illumination:</b></p> <ul style="list-style-type: none"> <li>- backlit displays show white when off and brilliant red when powered - with full range internal dimming circuits</li> <li>- lamp displays include two front removable bulbs</li> </ul> | <p><b>Power Input:</b></p> <ul style="list-style-type: none"> <li>- nominal 12-24 VDC (lamp) 24-32 VDC (LED)</li> <li>- range 10.8-28.8 VDC (lamp)</li> <li>- range 19.2-38.4 VDC (LED)</li> <li>- input current, see totals above</li> <li>- reverse and overvoltage protection to 120 VAC</li> <li>- input power fuse, 5 amps, type ABC-5</li> </ul> <p><b>Environmental:</b></p> <ul style="list-style-type: none"> <li>- storage -40°C to +75°C</li> <li>- operating 0°C to +70°C</li> </ul> <p><b>Physical:</b></p> <ul style="list-style-type: none"> <li>- maximum 19"Hx7"Wx6"D (483x178x152mm)</li> <li>- weight, see totals above</li> </ul> |
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## PRIME MOVER CONTROLS INC.

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