



Type 8161-1000

The azimuth display meter provides accurate indication of the direction of thrust for 360° rotating thrusters.

The pointer is servo operated with continuous 360° rotation so that true thruster vector information is displayed. The azimuth display meter receives the thruster rotation feedback signal from a potentiometer mounted on the rotating machinery.

Multiple meters can be connected in parallel and located at various remote control locations.

Long life LED illumination is provided with red and green backlit areas to distinguish the display direction at night. The illumination is controlled by an external dimmer.

Optional watertight equipment includes clear covers and special enclosures to provide additional protection from the elements.

Custom scales are available.

AZIMUTH DISPLAY METER

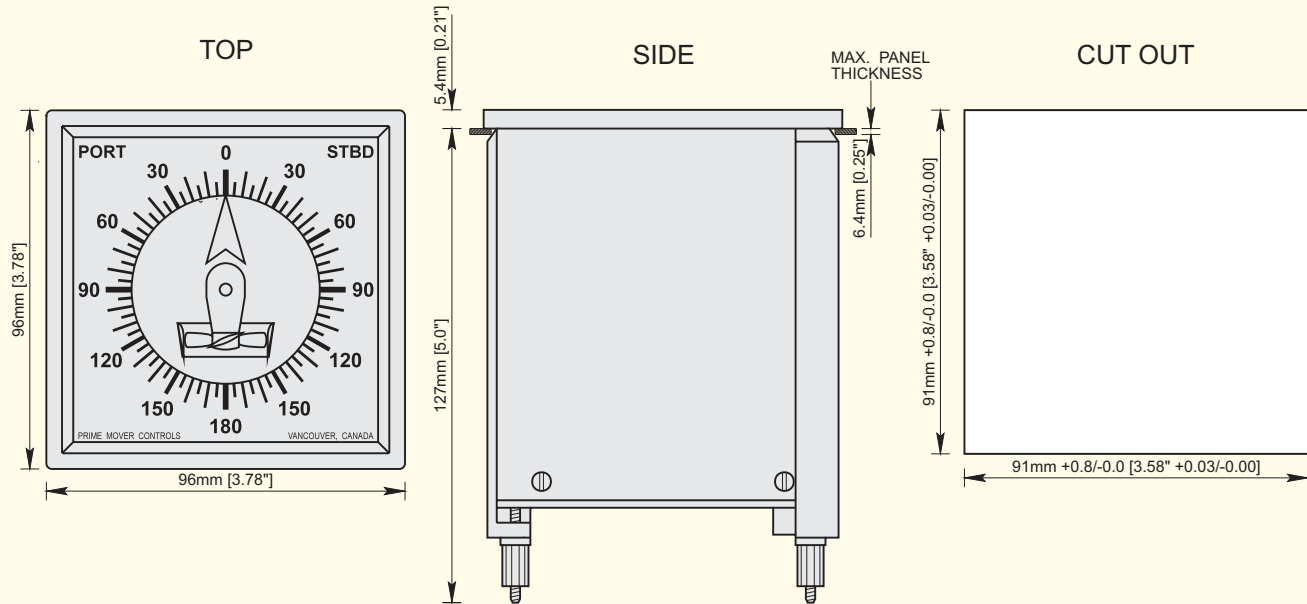
360° DISPLAY



PRIME MOVER CONTROLS INC.

SB 8161-1000

DIMENSIONS FOR 8161-1000 AZIMUTH DISPLAY METER



SCALE 1 : 2

FEATURES

- 96mm DIN size
- Flush mount
- Plug-in terminal connections
- Corrosion resistant
- Dust protected housing with glass front
- IP66 with optional watertight equipment
- 100% dimmable illumination
- Custom scales
- Up to 10 azimuth display meters from a single transmitter

SPECIFICATIONS:

Supply:

- 24 V_{DC} ± 20%
- Reverse voltage protection
- Typical 55 mA, Max 100 mA
- Illumination 23.5 mA max @ 24 V_{DC}

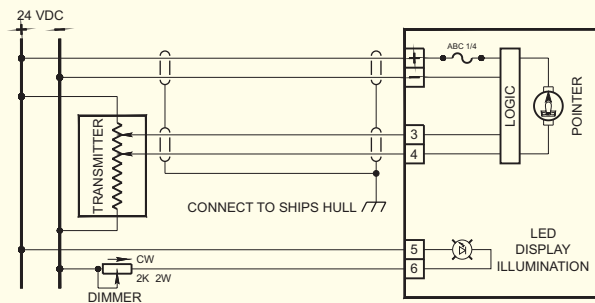
Environmental:

- Operating temperature -20 to +70°C
- Storage temperature -40 to +85°C
- Vibration: Frequency range 3 to 100 Hz
Peak to peak amplitude 2 mm below 13.2 Hz
Acceleration amplitude 0.7 g above 13.2 Hz

Physical:

- Dimensions:
96 mm H × 96 mm W × 127 mm D
(3.78" H × 3.78" W × 5.0" D)
- Weight, typical 0.6 kg (1.3 lbs)

ELECTRICAL DIAGRAM



NOTES:

CABLE 18AWG TWO TWISTED SHIELDED PAIR.

MAXIMUM LENGTH 300 m (1000').

ENSURE METER CABLE WIRE IS SEPARATED 1 m (3.3') FROM ANY POWER WIRING.

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