

Limited Warranty:

The 3NM all-round (360 degree) white light with Distress has a five year warranty against any defects in material or workmanship. Any light that develops such defect within this period from date of purchase will be repaired or replaced at Signal Mate's option. The light should be returned to Signal Mate with an RMA (Return Merchandise Authorization) number, and the sales receipt. Also, please include a written statement of the failure, including when, and how it occurred. Warranty is void if the light is opened or otherwise tampered with. This warranty does not cover any shipping costs.

This limited warranty does not cover damage to this product due to misuse, accident or improper installation, nor does it cover any incidental or consequential expenses to the user resulting from malfunction, non-function or misuse of this product. It does not cover damage from lightning, or other natural disasters.

Signal Mate, LLC
113 N. Collington Ave Baltimore, Maryland 21231
Phone 410-777-5550 Fax 410-675-4927
info@signalmate.com
www.signalmate.com



Owner's Manual

3NM Anchor Navigation Light With Distress

Signal Mate Model:
3NM360WS



USCG 3 Nautical Mile Approval 33CFR 183.810
Meets ABYC A-16 & 72 COLREGS
Tested by IMANNA Laboratory Inc., March 3rd, 2008

Introduction:

The 3NM all-round (360 degree) white light is used for power and sailboats at anchor with a built in Inland Distress flash rate of 60 per minute for emergencies.

The light provides constant brightness over the full operating range of 10 to 30 volts. This insures the light will meet or exceed the visibility requirements as the battery voltage drops from use.

The clear top allows the light to be used with or without a Signal Mate Controller for distress signaling to be seen by aircraft.

The clear top provides illumination at night for the wind vane to observe wind direction while at anchor.

Wiring:

Protect circuit with 1 amp. fuse or circuit breaker connected to the red wire.

Red wire = battery positive (+) = anchor (360 degree) light.

White wire = battery positive (+) = Distress (flashes 60 times per minute).

Note: Red wire must be battery positive (+) for the distress mode. The DPDT (center off) switch (pre-wired) and the switch label are included with the light.

Black wire = battery negative (-).

Specifications:

Visibility: USCG 3 Nautical Mile Approval 33CFR 183.810

Meets ABYC A-16 & 72 COLREGS

Voltage Range: 10-30VDC

LED Driver: Constant current

LED: 3 watt

Current Draw: 0.160 amps at 12VDC

Construction: Hard anodized aluminum, polycarbonate lens.

Wiring: 2 1/2 feet UV outdoor 20 AWG wire.

Weight: 9 oz

Height: 3.25 inches

Diameter: 1.5inches

Mounting: 1/4" x 20 female threads on bottom of light for mounting.

Durability: Waterproof

Mounting Instructions:

The all-round white (anchor) / Distress navigation light should be mounted as high as possible atop a mast or cabin top. Do not obstruct the light in a 360 degree viewing.

Test the LED before mounting, by connecting the red wire to the positive (+) side of the battery (12 or 24 volts DC), and by connecting the black wire to the negative (-) side of the battery. The LED will illuminate.

To test the distress function, supply 12 or 24 volts to the red wire (anchor), and then supply 12 or 24 volts to the white. The LED will flash 60 times per minute.

Note: The DPDT (center off) switch (pre-wired) and the switch label are included with the light.

The three mounting options are: 1/4 inch x 20 female threads on the bottom of light, 360 degree bracket included, or optional pole mount adapters.

Optional brackets are at www.signalmate.com.

- 3/4 inch pole mount adapter PN: PADPT75.
- 1 inch pole mount adapter PN: PADPT1.

Wiring the Double Pole Double Throw Switch (DPDT).

