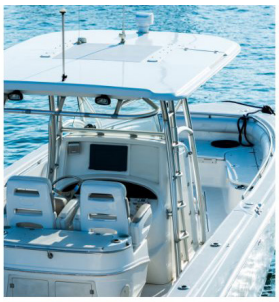
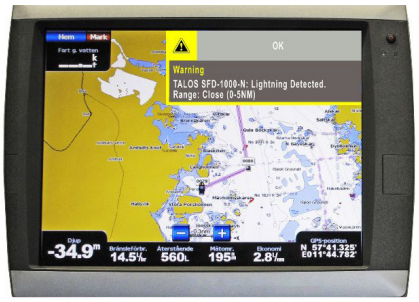
TALOS® SFD-1000-N2K

Remote Lightning Detection Device
Designed for NMEA 2000 Network
*Patent Pending

SFD-1000-N2K Housing





APPLICATIONS

Designed for OEM customized applications for boat builders and aftermarket, the SFD-1000-N2K utilizes a proprietary, patent-pending, compact design. The unit connects directly to the NMEA 2000 network, with plug and play connectivity and alerts are seen directly on the multi-functional displays (MFDs).

Meets OSHA & NOAA requirements for protecting against the dangers of lightning.

OSHA® NOAA

DESCRIPTION

Each year in the U.S., there are approximately 25 million cloud-to-ground lightning flashes and about 300 people struck by lightning causing death or permanent disability. Lightning can strike from 25 miles away, but thunder can only be heard from 10 miles away. This means lightning can strike even when the sky is blue and it appears no storm is in sight.

How do you stay aware of changing weather conditions? The TALOS Remote Lightning Detector alerts you to approaching or departing storm fronts and lightning by sensing the distance from the lightning strikes that are occurring in the area. The unit sends alerts via the digital NMEA 2000 network and those alerts show on the boat's multi-functional displays (MFDs). The alerts display the distance at which the lightning was detected. Audible and visual alerts make you aware of potentially life-threatening and electronic equipment damaging lightning, elevating your situation awareness and providing you with time to seek safety.

Why TALOS when your phone already provides weather alerts?

- Phones are not always in hand when lightning is imminent
- Weather app alerts can be delayed due to tower/doppler location
- Weather apps alert at specific intervals - TALOS alerts in real time
- The environment is too noisy to hear cell phone alerts
- Cell towers may be out of range
- No cellular internet connections needed
- Real-time alerts based upon your exact location

REV: 8.24

FEATURES & BENEFITS

- Detects Lightning Up to 25 Mile Range
- Plug and Play Connectivity
- Alerts Given via NMEA 2000 Digital Network
- Same Technology Used in Expensive Weather Stations
- 3 Different Alert Messages Indicate the Distance (approaching or departing) of the Storm Front 25 NM, 10 NM, 5 NM
- All Clear Message After 30 Minutes of No Lightning Strikes
- Low Cost
- Compact Design
- High Accuracy
- IP-67 Waterproof
- Low Power Consumption
- OEM Tested and Approved

ELECTRICAL CONNECTIONS

Power received from NMEA 2000 CAN bus.

SPECIFICATIONS

Performance @ 25°C (77 °F)	
Operating Temperatures	-20 to 80 ° C (-4 to 176 ° F)
Reverse Polarity Protection	Yes
Input	
Supply Voltage	6-30 VDC
Current (listening mode)	400 µA
Current (detecting mode)	4.5mA

HOUSING

Clear

Black

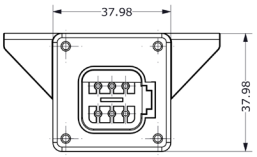
White

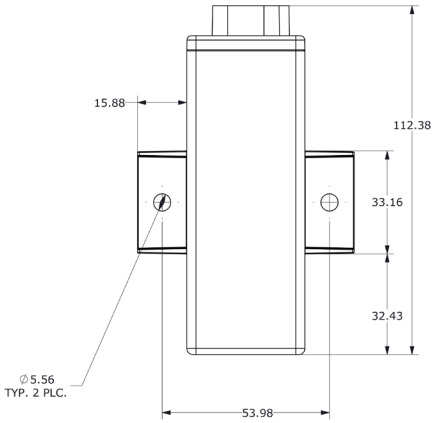
SAVES LIVES
Protects Equipment

REV: 8.24

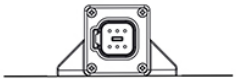
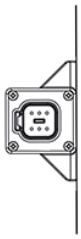
DIMENSIONS

Remote Housing
Measurements in millimeters





MOUNTING ORIENTATION

Mounting Tabs Bottom -1	Mounting Tabs Left -2	Mounting Tabs Top -3	Mounting Tabs Right -4
			

Mounting Orientation determines where antenna will be placed inside the remote housing.
Antenna must be facing skyward.

ORDERING

Series	Power Options		Mounting Options		Housing Color
SFD	1000-N2K	—	-1	—	C

1000-N2K= Remote Housing

-1 = Mounting tabs bottom
-2 = Mounting tabs left
-3 = Mounting tabs top
-4 = Mounting tabs right

C = Clear
B = Black
W = White

*Consult technical sales for custom OEM options/solutions

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