



Marine GPS Locator

Model: GR-201

WI-RD-D-020 V1.0

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Overview:

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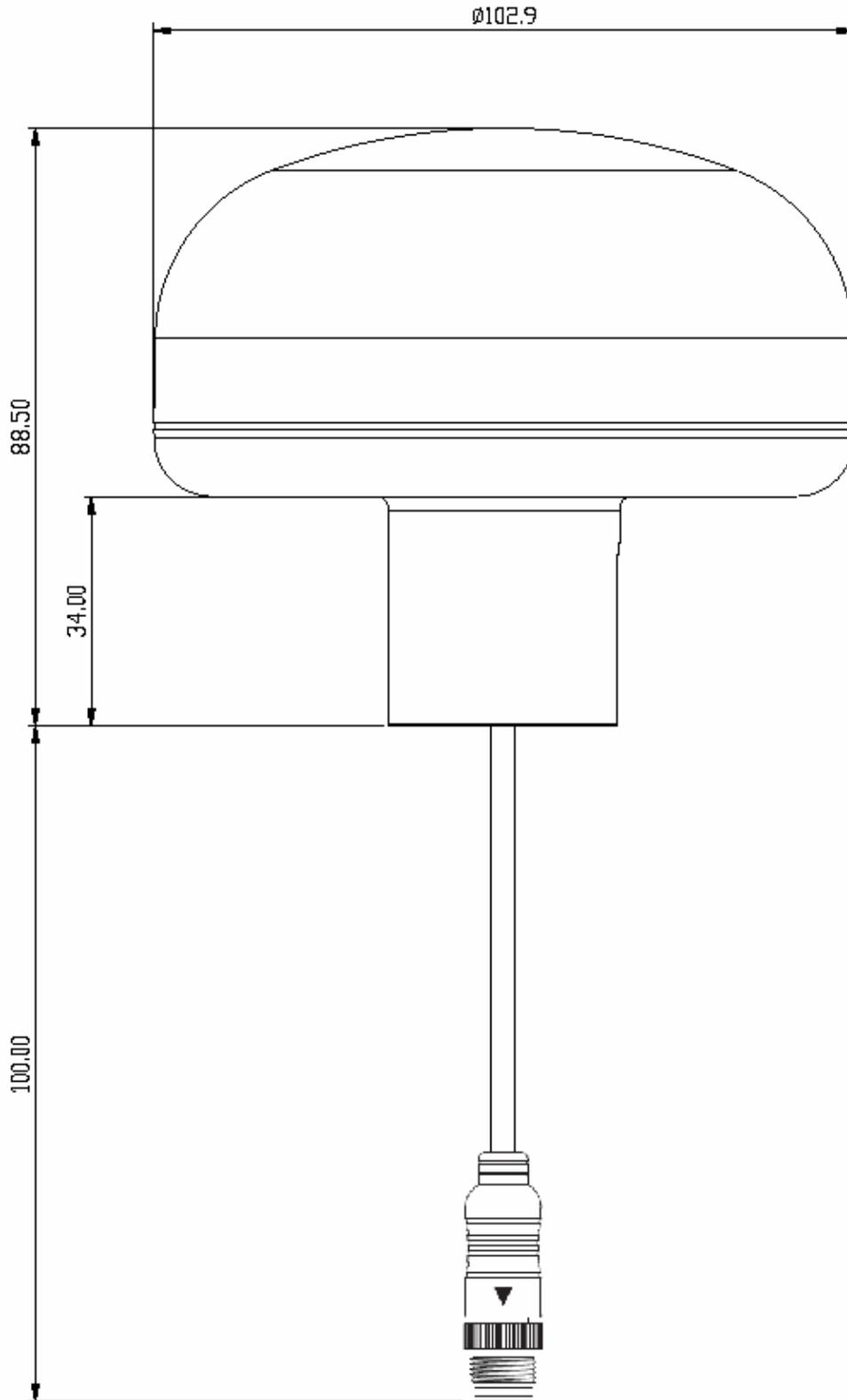
GR-201 is the latest GPS product innovation in combining GPS receiver technology and mini-antenna in a Plug-Navigate-Location concept from SAN JOSE NAVIGATION, INC.

GR-201 receives FREE broadcast signals from the Low Orbit Global Positioning System (GPS), a satellite-based transmitter which emits ranging/satellite information/high precision time signals that the **GR-201** receiver can use to determine positions and time. It also has high sensitivity for weak signal operation without compromising accuracy. Undoubtedly, **GR-201** is the best choice for you.

Specifications:

PHYSICAL CONSTRUCTION	
Enclosure	Highly impact; corrosion-proof
Construction	Ultrasonic welded, fully waterproof IPX7
ENVIRONMENTAL CONDITIONS	
Temperature	Operating: -30 ~ +75 °C
	Storage: -40 ~ +85 °C
COMMUNICATION	
Protocol	NMEA 0183
Signal level	RS-232
INTERFACE CAPABILITY	
Output Sentences (Option)	GPGGA(1sec),GPRMC(1sec), GPGSA(1sec), GPGSV(5sec)
PERFORMANCE	
Built in Antenna element	High-reliability ceramic patch
GPS Chipset	SiRF StarIII, GSC3f/LPx (FV-38) (Digital, RF in a single package)
Frequency	L1 1575.42MHz
Code	C.A Code.
Channels	20 parallel
Sensitivity	-159dBm
SBAS	3 channel (Support WAAS, EGNOS, MSAS)
Start-up time	1 sec. Typical (chip hot start)
	35 sec. Typical (chip warm start)
	35 sec. Typical (chip cold start)
Reacquisition	0.1sec. typical
Position accuracy	10 m at 2D RMS
Velocity	514 m/s
Altitude	18000m
LNA	Gain: 20dB ; NF: 0.8dB
Update Rate	1Hz
Power Supply	8~35V
Power Consumption	26mA@12V DC
Baud Rate	4800 bps (default) 1Hz

Outline Drawing:



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All specifications subject to change without notice.