

SOLAR POWERED REPEATER NODE

USED TO EXTEND THE RANGE OF A SIGNALFIRE NETWORK

LONG RANGE RADIO

SELF-CONTAINED SOLAR POWER SYSTEM



FEATURES

- Automatically configures as part of the SignalFire mesh network
- Forwards messages from all SignalFire nodes
- 500mW radio with high gain antenna
- Optional N-Connector for remote mounted antenna
- Range up to 3 miles
- Internal rechargeable battery pack with integrated high efficiency solar charger
- Solar panel and all mounting hardware/brackets included
- Rugged design for demanding outdoor industrial environments
- Simple to install and maintain

TECHNICAL SPECIFICATIONS

Operating Temp

-40°F to 185°F (-40°C to 85°C)

Humidity

0% – 100% condensing

Power

Integrated solar system with 9Ah battery

Radio Power

500mW

Receive Sensitivity

-105dBm

Antenna

Omnidirectional, +5dBi gain

Security

AES 128bit Encryption

Radio Frequency

902-928 ISM FHSS, FCC part 15 Compliant

Range

3 miles

Internal Diagnostics

Battery voltage, signal strength

Enclosure

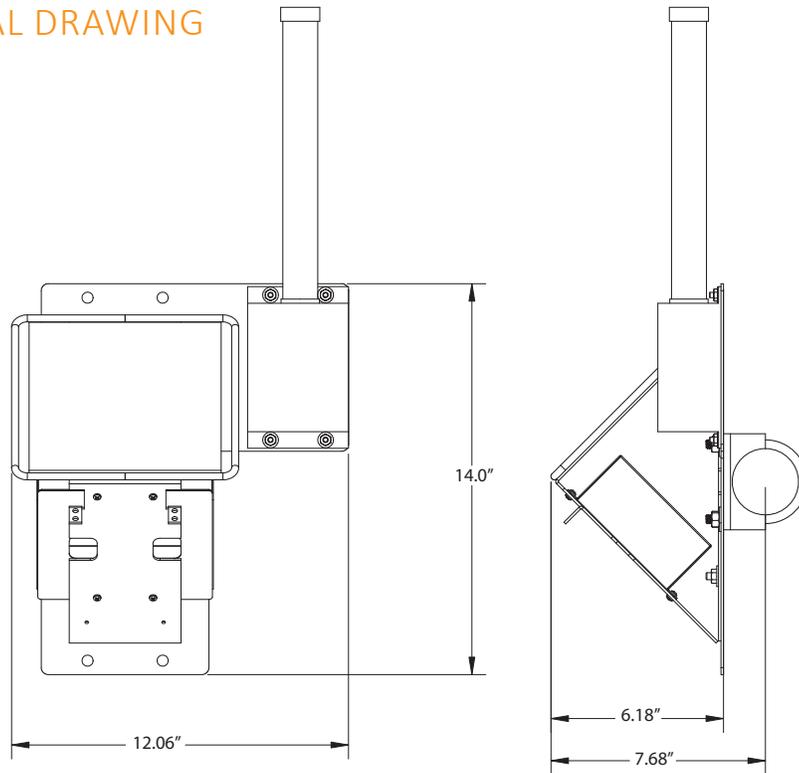
Aluminum, NEMA 4x

Weight

5 lbs (2.27 kg)

SOLAR POWERED REPEATER NODE

DIMENSIONAL DRAWING



2.25" U-Bolts included for mounting to a vertical or horizontal pipe

STANDARD CONFIGURATION ORDER CODES

Repeater -

Antenna Type

- STDANT = Integrated antenna
- N20 = Remote mount antenna, 20ft RG58 cable, N-Male connector
- N30 = Remote mount antenna, 30ft RG58 cable, N-Male connector
- N50 = Remote mount antenna, 50ft RG58 cable, N-Male connector