ENCLOSURE KIT

Secure, Versatile Industrial Housing for Accessories

SECURE & VERSATILE HOUSING FOR WIRELESS IO MODULES AND ANTENNAS

PRE-WIRED, READY TO INSTALL

BUILT-IN STRUT CHANNEL AND POLE MOUNT STRAP

DC OR SOLAR OPTIONS



FEATURES

- Save time with installation
- Prewired, ready to install
- Built in Strut Channel and pole mount strap
- DC or Solar Options

PRODUCT OVERVIEW

The SignalFire Enclosure Kit provides a robust, weather-resistant housing for various SignalFire Wireless I/O Modules and the Modbus Stick, ensuring reliable operation in demanding industrial environments. Designed for DIN rail mounting, this polycarbonate enclosure (11” x 11” x 6”) offers a compact yet durable solution for easy module installation and accessory integration.

The Enclosure Kit is available with either a 10–30 VDC input or a solar power option. The solar option includes a 10-watt solar panel, charge controller, and 12 Ah rechargeable lead-acid battery for remote, off-grid applications. Support for integral or remotely mounted antennas provides installation flexibility and helps optimize wireless communication. Ideal for remote monitoring, automation, and data acquisition, the kit enables secure, efficient, and scalable deployment of SignalFire systems.

OPTIONS

The enclosure will accommodate (1) one module along with the Solar Option.

Modules available include:

- WIOM
- WIOM-Mini
- MBS-MIOM
- MBS-IO1
- MBS-CBBL
- MBS-RSD

The enclosure will also accommodate (1) one antenna.

Antenna options:

- EXT
- ANT-WP-N-20
- ANT-WP-N-30
- ANT-WP-N-50

SIGNALFIRE
WIRELESS TELEMETRY

www.signal-fire.com | 140 Locke Drive, Suite B, Marlborough, MA 01752 USA | 978.212.2868

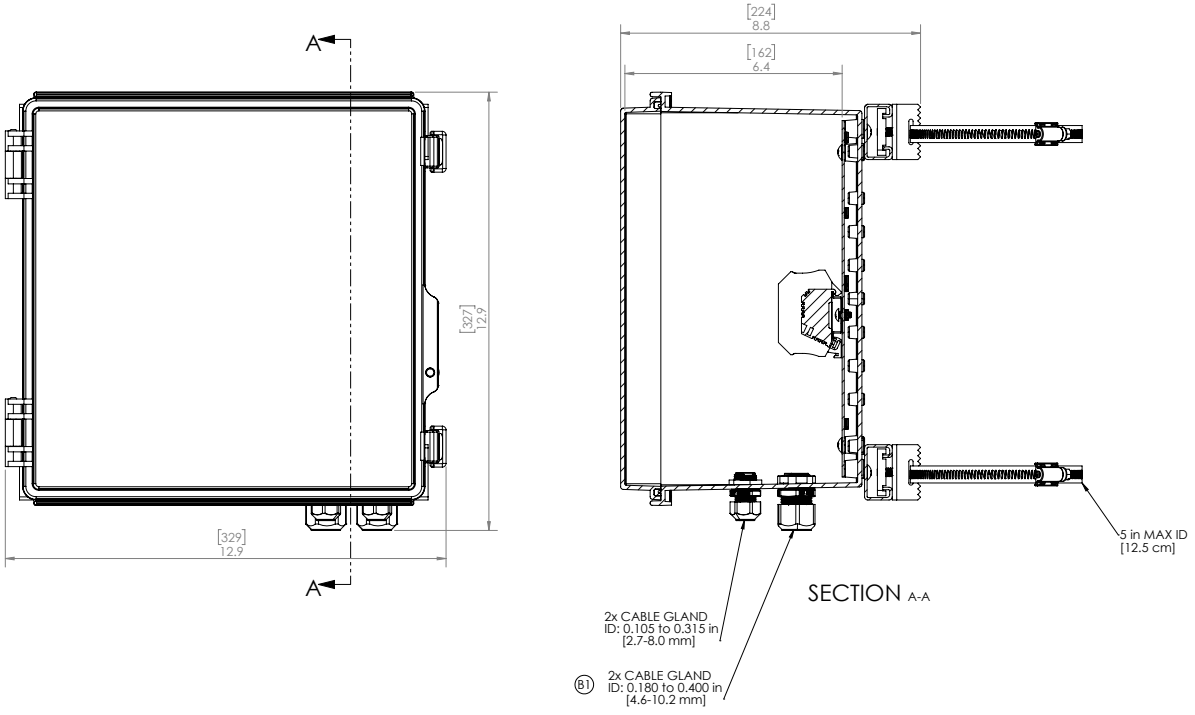
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TECHNICAL SPECIFICATIONS

Physical Specifications	
Dimensions	12.9” x 12.9” x 6.4” (329mm x 329mm x 162mm)
Weight	2 Lbs (0.9Kg)
Pole Diameter Range	1 7/8” to 5” (48 to 127mm)
Mounting	Built-in strut channel and pole mount strap
Housing Material	Industrial polycarbonate UV rated
Enclosure Protection	IP65
Power Options	DC Input Power with terminal blocks for power distribution Solar
Campatible Modules	WIOM, WIOM-Mini, MBS-MIOM, MBS-IO1, MBS-CBBL, MBS-RSD
Antenna Options	EXT, ANT-WP-N-20, AND-WP-N-30, ANT-WP-N-50

DIMENSIONS



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HOW TO ORDER

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Power Source

DC	=	10 to 30VDC Input. User provides DC power.
Solar	=	12VDC Solar System: Panel, Better, Charge Controller

Module Type

NONE	=	No accessories
WIOM	=	Wireless IO Module
WIOM-Mini	=	Wireless IO Mini Module
MBS-MIOM-25	=	Modbus Stick / MIOM Module, 8 Analog, 6 Digital inputs, 4 Relay Outputs, 25’ Cable
MBS-IO1-25	=	Modbus Stick/DIN mount Modbus IO Module, 1 Relay, 1 Digital inputs, 1Aln / 25’ Cable
MBS-CBBL-25	=	Modbus Stick/Smart Break out Board for Modbus RS485 interface, 25’ Cable
MBS-RSD-25	=	Modbus Stick / Remote Shutdown with 2 DI, 2 Relays, Coil Monitoring, 25’ Cable

Antenna Type

NONE	=	No External Antenna
EXT	=	Panel Mounted RPSMA Antenna with 1-meter Cable
LTE+GPS	=	Panel Mounted LTE Antenna @ GPS Antenna, 1-meter Coax Cable each antenna
ANT-WP-RPSMA-20	=	Remote Mount Antenna, 20’ RG58 Cable, RP-SMA connector
ANT-WP-N-20	=	Remote Mount Antenna, 20’ RG58 Cable, N-Male connector, Bulkhead Kit incl.
ANT-WP-RPSMA-30	=	Remote Mount Antenna, 30’ RG58 Cable, RP-SMA connector
ANT-WP-N-30	=	Remote Mount Antenna, 30’ RG58 Cable, N-Male connector, Bulkhead Kit incl.
ANT-WP-RPSMA-50	=	Remote Mount Antenna, 50’ RG58 Cable, RP-SMA connector
ANT-WP-N-50	=	Remote Mount Antenna, 50’ RG58 Cable, N-Male connector, Bulkhead Kit incl.

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