

NavLink®



TIDELAND SIGNAL CORPORATION

RMC-3 Monitor and Control Module

RMC-3, a compact monitor and control unit, is optimised for light weight and low power operation. RMC-3 collects and forwards AtoN data to the NavTerm® software. RMC-3 can be installed, for example, on a small isolated buoy with limited battery capacity, yet still provide reliable full-time monitor and control for all AtoN equipment.

FEATURES:

- **STAINLESS STEEL ENCLOSURE** – A 316 stainless steel (NEMA 4X, IP65) enclosure is standard to the RMC-3 and is ideal for remote environmentally harsh locations. Enclosure will provide protection from surrounding electromagnetic fields that could damage internal electronics.
- **CONFIGURED TO MONITOR AND CONTROL** – Tideland can configure any combination of AtoN connections and attach AtoN devices up to RMC-3 built-in limits. All configured input connections are field selected to report on exception with Authority parameters establishing AtoN warning and alarm status.
- **BUILT-IN LIGHTNING PROTECTION** – All circuitry is lightning protected and RMC-3 comes provided with an earth-grounding stud.
- **INPUTS/OUTPUTS** – RMC-3 contains four analog and four digital input channels for external input channels for general monitoring use.
- **SIX COMMUNICATION CHANNELS** – RMC-3 has channels available to handle any communications requirement. For example, one channel may be used for on-board GPS option.



- **IN-THE-FIELD DIAGNOSTICS** – NavLink's Field Configuration Utility (FCU) allows the setup, upgrades, diagnosing and fault finding of the RMC-3 and its devices in the field using a laptop computer.

Communication Modules

The NavLink communication modules serve as the hardware level port between the AtoN monitoring system and monitor and control location and/or Authority base station. Communication modules support the following mediums: VHF/UHF, dial-up modem, IP, direct, cellular telephone, satellite or AIS information system.

SPECIFICATIONS

Communication Channels

RS-232 2 channels
 ASCII Sync 2 channels
 RS-485 1 channel

Analog Inputs Four (4); 0 to 40 VDC, 10-bit resolution;
 input impedance – 100k ohms

Digital Inputs Four (4); 0 to 40 VDC (0 to 25 VAC);
 input impedance – 5k ohms

Digital Outputs Switched 5V DC power

Power

Input Voltage 9 to 36 VDC
 Input Power 0.6 watt max

Temperature Range -40°C to +70°C

Stainless Steel Enclosure

Mechanical 316 stainless steel, NEMA 4x
 Protection IP65

Dimensions

Variant 1

Height 320 mm (12.6 in)
 Width 280 mm (10.9 in)
 Depth 140 mm (5.5 in)
 Weight 8 kg (17.6 lb)

Variant 2

Height 360 mm (14.0 in)
 Width 410 mm (16.0 in)
 Depth 160 mm (6.2 in)
 Weight 13 kg (28.7 lb)

NOTE: Specifications are subject to change.



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Tideland Signal Corporation maintains ISO 9001:2000 accreditation. It is company policy to provide products and services that meet the highest standards of quality in the industry.

Membership Organisations



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