

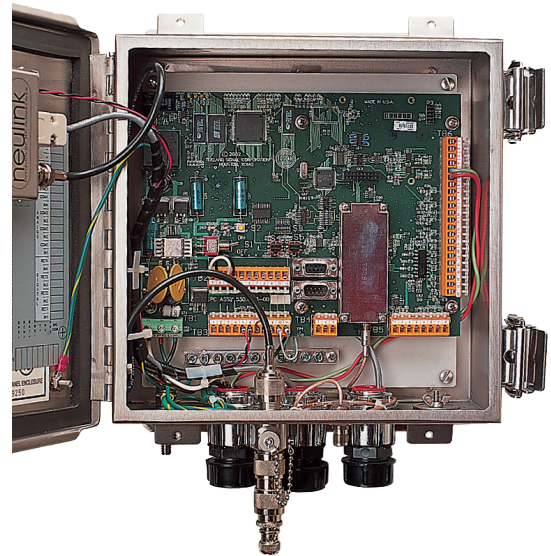


NavLINK[®]

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.

- **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.



Technical Details

Communication Channels	
RS-232	2 channels
ASCII Sync	2 channels
RS-485	1 channel
Analog Inputs	
Four (4); 0 to 40VDC, 10-bit resolution; input impedance - 100k ohms	
Digital Inputs	
Four (4); 0 to 40VDC (0 to 25VAC); input impedance - 5k ohms	
Digital Outputs	
Switched 5V DC power	
Power	
Input Voltage	9 to 36VDC
Input Power	0.6W max
Operating Temperature	
-40° C to +70° C	
Stainless Steel Enclosure	
Mechanical Protection	316 stainless steel, NEMA 4x IP65
Dimensions	
Variant 1	
Height	320mm (12.6in)
Width	280mm (10.9in)
Depth	140mm (5.5in)
Weight	8kg (17.6lb)
Variant 2	
Height	360mm (14.0in)
Width	410mm (16.0in)
Depth	160mm (6.2in)
Weight	13kg (28.7lb)

NOTE: Specifications are subject to change.



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