



Series 3800, 9500, 9800, 9900 Accessories

Multi-Radio Interface Module

Model No. M-RIM

(Part No. 41021G-01)



Radio Inputs, Rear View

M-RIM: Multi-Radio Interface Module

DESCRIPTION

The David Clark Company Multi-Radio Interface Module (M-RIM) is a weather-resistant, marine-grade radio interface designed for outdoor and marine environments. It is engineered to provide transmit and receive capabilities for up to four mobile radios, greatly expanding current system capabilities and/or centralizing radio control for system users.

The M-RIM is a companion product to our Series 3800, 9500, 9800 and 9900 Intercom Systems and SOLO Dual-Radio Headset Station, and a valuable communication option for communication trailers and command & control vehicles of all kinds.

Installation options include surface mounting via a four bracket mounting kit included with the M-RIM, or flush-mounting through an optional M9840FM flush-mount kit (not included.)

The resulting expansion of communication options significantly enhances the versatility and flexibility of the already dynamic nature of all David Clark radio compatible intercom systems.

FEATURES AND BENEFITS

- Provides radio transmit/receive functionality for up to four mobile radios
- Compatible with David Clark Series 3800, 9500, 9800 and 9900 Intercom Systems and SOLO Headset Station, expanding radio capabilities for system users
- Simple operation and installation
- Surface mount (kit included) or flush mount via M9840FM flush-mount kit (not included)
- Marine-grade construction (enclosure, controls and connections)
- Four position rotary switch to select radio transmit
- Four individual radio receive on/off toggle switches provide radio receive flexibility for all system users
- Compatible with most VHF, UHF and marine band radios
- Rugged and reliable

TECHNICAL DATA

Power Requirements	11 to 30VDC
Input Current	2A Max, 1A typical (@ 12VDC)
Radio Inputs	4 each (C98-20RDx)
System Interface	*see M-RIM Manual for specific interface cable requirement
Enclosure	Cast Aluminum ("Aluform"), NEMA, black finish
Operating Temp.	-20° to 70°C
Storage Temp.	-40° to +85°C
Humidity Range	0-95% non-condensing
Salt Fog	MIL-STD-810E, Method 509.3 (96 hrs in 5% NaCl solution)
Shock	MIL-STD-810E, Method 515.4 (Sawtooth pulse 20g 11ms)
Vibration	MIL-STD-810E, Method 514.4 (Cat.9/Marine;1-50Hz @ 8gRMS)
Radio TX Select Switch	Rotary, sealed, detent
Radio RX Select Switch	Toggle (4 ea), sealed, DPDT
Receive Audio Input	8.5V RMS Maximum, 4.25V RMS typical
Transmit Audio Output	700mV RMS Maximum, 400mV RMS typical
Dimensions	7.87"L x 3.94" W x 2.36" H
Weight	39.7oz/1.125kg

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