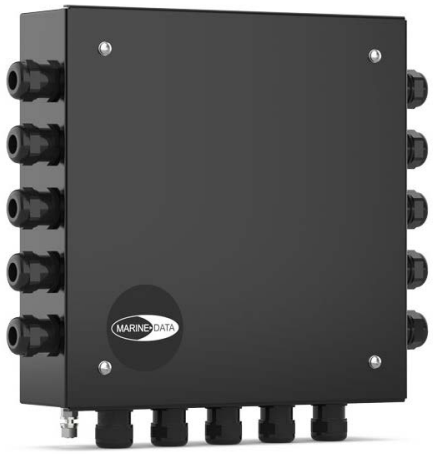


POWER & DATA DISTRIBUTION / DATA DISTRIBUTION

MD94DDU DATA DISTRIBUTION UNIT

SKU: F094053 MD94DDU+ SKU: F094056

View Online ›

FEATURES

- **Designed for NMEA Data Distribution**
- **2x NMEA 0183 Inputs**
- **9x NMEA 0183 Outputs**
- **Inputs mappable to Outputs**
- **Outputs provide Power and Remote Dimmer Connections**
- **Single / Dual 24 V dc Supply (Main and Backup)**
- **Rugged Marinised Aluminium Enclosure**
- **MD94DDU+ includes 10 extra pass-through terminals for user options**

OVERVIEW

The MD94DDU is a NMEA 0183 Data Distribution Unit able to take two independent NMEA 0183 inputs and transmit a buffered NMEA 0183 output to up to nine devices.

The MD94DDU can be daisy chained with another MD94DDU to increase the number of available outputs if required. In this way, digital heading data (ship's heading) or any other NMEA 0183 data may be conveniently relayed to any location on a vessel.

The MD94DDU offers a NMEA 0183 Distribution solution for most locations. Finished in Jet Black (RAL9005) Fine-texture Powder Coat to complement other bridge marine navigation equipment.

The MD94DDU+ also includes 10 extra pass-through terminals for user defined wiring options.

The MD94DDU NMEA Data Distribution Unit from Marine Data: flexible in application, easy to install and simple to maintain.

APPLICATIONS

- Allows the Distribution of individually buffered NMEA 0183 signals to multiple devices
- Allows Common Dimming of all connected instruments

ACCESSORIES

- MD01/PMD - Rotary Remote Dimming Control

RELATED PRODUCTS

- Any NMEA 0183 (IEC61162-1) compliant device
- Transmitting Heading Device (THD) Systems (TMC and EMC)
- The complete range of Marine Data Repeaters

TYPE APPROVED PRODUCT
DNV
DNV.COM/AF

SPECIFICATIONS

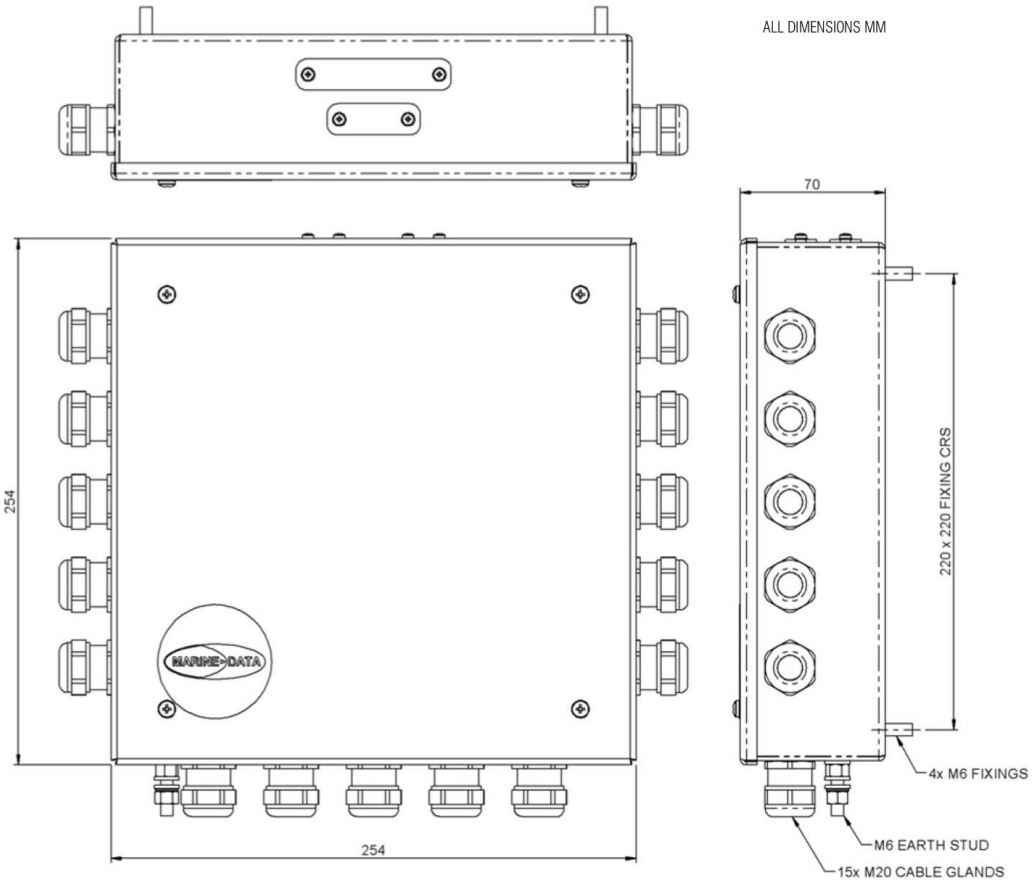
PHYSICAL	
Weight:	1.5 kg
Dimensions:	H 254 mm; W 254 mm; D 70 mm
Mounting:	M6 Fixings on 220 mm sq' centres
Connections:	Multicore cable through M20 watertight gland to internal screw terminals
Construction:	Aluminium alloy enclosure
Finish:	Jet Black (RAL9005) Fine-texture Powder Coat

ELECTRICAL	
Power Supply:	Single / Dual (Main / Backup) Supplies 24 V dc, 2.5 W nominal (21-31 V dc)
Data Inputs:	2x NMEA 0183 (IEC 61162-1)
Data Outputs:	9x NMEA 0183 (IEC 61162-1; IEC 61162-2)
Power Outputs:	24 V dc; 500 mA (max)
Data Sentences:	Re-transmitted as received (Buffered)

OPERATIONAL	
Performance:	NMEA 0183 Distribution with Buffer Function 4800 - 38400 Baud
MTBF:	>30,000 hours

ENVIRONMENTAL	
IEC 60945 Equipment Category:	Protected Area
Operating temp:	-15°C to +55°C
Storage Temp:	-25°C to +70°C
Compass Safe Distance:	Standard: 20cm Steering: 20cm
RoHS:	Compliant

APPROVALS	
Complies with:	IEC 60945; IEC 61162-1
Type Approval:	DNV



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