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Value from maritime data

Remote Data Interface
RDI-S, RDI-A, RDI-D
Datasheet

Danelec Remote Data Interface (RDI) is a range of robust, cost-efficient purpose-built data collection interfaces that samples all sensor data on-board a vessel. The data collected is stored in a Danelec Vessel Remote Server.

RDI-S (Remote Data Interface - Serial)
Serial interfaces are a common type of communication protocol used in many electronic devices, such as microcontrollers, sensors, and industrial control systems. Having a digital interface that can pick up a serial interface allows for greater compatibility between different devices and systems.

RDI-A (Remote Data Interface - Analog)
The remote data interface analog is a device or that allows for the transmission of analog signals over long distances. The primary application of an RDI-A is to enable the monitoring of remote equipment or systems from a central location.
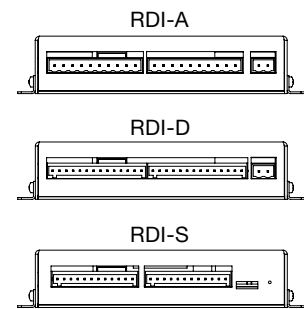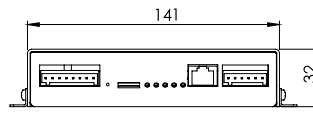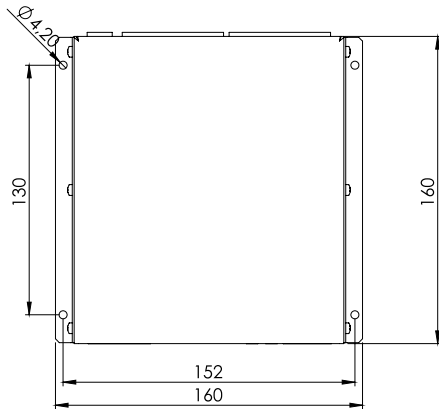
RDI-D (Remote Data Interface - Digital)
RDI-D systems are useful in any situation where it is necessary to monitor remote equipment or systems using digital data, particularly when long distances are involved.

Most affordable Maritime IoT solution
By using dedicated data interfaces that can pick up a most interfaces, manufacturers can focus on their specific needs and have a simple installation. The data interfaces are widely used and are therefore relatively inexpensive to implement.

MAC14592-10B

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Product Specification

	RDI-A	RDI-D	RDI-S
Dimensions			
Weight	300 g	300 g	300 g
Height/Width/Depth	32 x 160 x 163 mm	32 x 160 x 163 mm	32 x 160 x 163 mm
Interfaces			
Inputs	8 analog	24 digital	8 serial data
Input types	Voltage sense, current loop	Voltage sense, contact closure	RS 422, RS485
Input range	±30V, 0-20mA	0-160VDC, 0-110VAC	1200-38400 Baud
Data out, Ethernet IEEE 802.3 100BaseTX	Yes	Yes	Yes
Data out, RS-422	Yes	Yes	No
I/F for Daisy chain	RS-422	RS-422	N/A
Electrical			
Powered from Data Acquisition Unit*	Yes	Yes	Yes
Power requirements	12-30VDC, 3W - IEC 60945 nominal	12-30VDC, 3W - IEC 60945 nominal	12-30VDC, 3W - IEC 60945 nominal
Environmental			
Approval	Marine approved (IEC 60945 protected)	Marine approved (IEC 60945 protected)	Marine approved (IEC 60945 protected)
Operating temperature	-15-55°C (Non-condensing)	-15-55°C (Non-condensing)	-15-55°C (Non-condensing)
Special features			
Support for SWAP Technology	Yes, SD card	Yes, SD card	N/A, VDR core module

* Option, the VDR power budget must be observed, please see the installation manual.

There is always a service tech near your ship

Our extensive global network of service centers carry spare parts and provide service repairs 24/7 with 500+ factory-certified technicians in 50+ countries.

For further information please contact **Danelec Marine A/S**
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