

1 YEAR
WARRANTY



OMEGA® User's Guide

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DRSL-ADAPTOR
Communication Interface for DRSL-U
Isolated Universal Input
DIN Rail Signal Conditioner



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The information contained in this document is believed to be correct, but OMEGA accepts no liability for any errors it contains, and reserves the right to alter specifications without notice.
WARNING: These products are not designed for use in, and should not be used for, human applications.

COMMUNICATIONS INTERFACE

DRSL-ADAPTOR

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GENERAL

WARNING

This device is designed for connection to hazardous electric voltages. Ignoring this warning can result in severe personal injury or mechanical damage.

To avoid the risk of electric shock and fire, the safety instructions and warnings of this guide must be observed and the guidelines followed. The specifications must not be exceeded, and the device must only be applied as described in the following.

Prior to the commissioning of the device, this guide must be examined carefully.

Only qualified personnel (technicians) should operate this device. If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Repair of the device must be done by OMEGA Engineering only.

Should there be any doubt as to the correct handling of the device, please contact your local distributor or, alternatively, OMEGA Engineering.



**EXPLO-
SION**

WARNING - RISK OF EXPLOSION HAZARD

To avoid risk of explosion and injury:

- Do not use this equipment when a flammable or combustible atmosphere is present
- Do not replace batteries unless area is known to be safe.
- Use 3 x 1.5 V TYPE AAA batteries only and insert correctly as stipulated in battery compartment.



**ELEC-
TRICAL
SHOCK**

WARNING - RISK OF ELECTRICAL SHOCK

To avoid risk of electrical shock and injury:

- Do not disconnect the cable from DRSL-ADAPTOR while cable is connected to a DRSL device.
- Do not remove DRSL-DISPLAY while the cable is connected to a DRSL device.
- Do not replace batteries while the cable is connected to a DRSL device.

SYMBOL IDENTIFICATION



Triangle with an exclamation mark: Warning/demand. Potentially lethal situations.



The CE mark proves the compliance of the device with the requirements of the EU directives.



The double insulation symbol shows that the device is protected by double or reinforced insulation.

SAFETY INSTRUCTIONS

DEFINITIONS

Hazardous voltages have been defined as the ranges: 75...1500 Volt DC, and 50...1000 Volt AC.

Technicians are qualified persons educated or trained to mount, operate, and also trouble-shoot technically correct and in accordance with safety regulations.

Operators, being familiar with the contents of this manual, adjust and operate the knobs or potentiometers during normal operation.

RECEIPT AND UNPACKING

Unpack the device without damaging it. Check on delivery of the device whether the type corresponds to the one ordered.

ENVIRONMENT

Avoid direct sunlight, dust, high temperatures, mechanical vibrations and shock, as well as rain and heavy moisture.

NORMAL OPERATION

Only technicians who are familiar with the technical terms, warnings, and instructions in the manual and who are able to follow these should connect the device.

Should there be any doubt as to the correct handling of the device, please contact OMEGA Engineering,

www.omega.com

CLEANING

When disconnected, the device may be cleaned with a cloth moistened with distilled water.

BATTERY REPLACEMENT

Replace batteries with 3 x 1.5V TYPE AAA (not included).

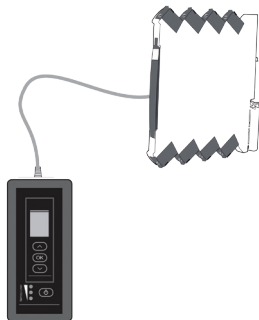
Application

The DRSL-ADAPTOR is a communications interface which is used along with the DRSL-DISPLAY Programmable Display to configure or document and backup/restore configurations of DRSL programmable devices, standalone in Adaptor Mode.

Adaptor Mode

- The DRSL-ADAPTOR is a handheld device that can operate as an adapter between the DRSL-DISPLAY programming front and a DRSL-U Universal Input Signal Conditioner. This allows for configuration and monitoring of process parameters of the installed modules.
- Note for connection to a DRSL-U module, the USB-B to a 2.5 mm jack cable must be used.
- By pressing the power button, the DRSL-ADAPTOR will power on, and show the status of the attached DRSL-U module on the DRSL-DISPLAY.
 - If the DRSL-U device is powered, the DRSL-DISPLAY display will indicate the process variable or can be manually set to go into program mode.
 - If the DRSL-U device is not powered the DRSL-DISPLAY display will be in program mode only.
- Indication of battery level is displayed via the LEDs. This can be activated by using the Power/Wake-up button. If while pressing the Power/Wake-up button the LEDs are off, or only one LED is lit, the batteries should be exchanged. To extend battery life the DRSL-ADAPTOR will automatically detect if it is not in use, and will consequently shut itself down to conserve battery power.
- Battery life in Adaptor Mode is approximately 1 year of daily use, depending upon battery type.

Connection of DRSL-ADAPTOR to a DRSL-U Device



NOTES:

WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **13 months** from date of purchase. OMEGA's Warranty adds an additional one (1) month grace period to the normal **one (1) year product warranty** to cover handling and shipping time. This ensures that OMEGA's customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

OMEGA is pleased to offer suggestions on the use of its various products. However, OMEGA neither assumes responsibility for any omissions or errors nor assumes liability for any damages that result from the use of its products in accordance with information provided by OMEGA, either verbal or written. OMEGA warrants only that the parts manufactured by the company will be as specified and free of defects. OMEGA MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, EXCEPT THAT OF TITLE, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. LIMITATION OF LIABILITY: The remedies of purchaser set forth herein are exclusive, and the total liability of OMEGA with respect to this order, whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the component upon which liability is based. In no event shall OMEGA be liable for consequential, incidental or special damages.

CONDITIONS: Equipment sold by OMEGA is not intended to be used, nor shall it be used: (1) as a "Basic Component" under 10 CFR 21 (NRC), used in or with any nuclear installation or activity; or (2) in medical applications or used on humans. Should any Product(s) be used in or with any nuclear installation or activity, medical application, used on humans, or misused in any way, OMEGA assumes no responsibility as set forth in our basic WARRANTY/DISCLAIMER language, and, additionally, purchaser will indemnify OMEGA and hold OMEGA harmless from any liability or damage whatsoever arising out of the use of the Product(s) in such a manner.

RETURN REQUESTS/INQUIRIES

Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. **BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS).** The assigned AR number should then be marked on the outside of the return package and on any correspondence. The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

OMEGA's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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