WARRANTY







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MADE IN UNITED KINGDOM

Universal DIN Rail Transmitter TXDIN 1620 Universal DIN Rail Transmitter With 3-Wire Insulated Wire Output TXDIN 1630 Universal DIN Rail Trip Amplifier



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It is the policy of OMEGA Engineering, Inc. to comply with all worldwide safety and EMC/EMI regulations that apply. OMEGA is constantly pursuing certification of its products to the European New Approach Directives. OMEGA will add the CE mark to every appropriate device upon certification.

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.

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IMPORTANT - CE & SAFETY REQUIREMENTS

Product must be DIN rail mounted, inside a suitable enclosure providing environmental protection to IP65 or greater.

To maintain CE EMC requirements, input wires must be less than 30 metres.

The product contains no serviceable parts, or internal adjustments, no attempt must be made to repair this product. Faulty units must be returned to supplier for repair,

This product must be installed by a qualified person. All electrical wiring must be carried out in accordance with the appropriate regulations for the place of installation

Before attempting any electrical connection work, please ensure all supplies are switched off.

ABSOLUTE MAXIMUM OPERATING CONDITIONS:-

Supply Voltage Current with over voltage Input Voltage Input Current Ambient

 \pm 30 V dc $\,$ (Protected for over voltage and reverse connection) ± 200 mA ±5 V between any terminals ± 100 mA between terminals 7 & 10 (-30 to 75) °C Humidity (10 to 95) % RH (Non condensing) Temperature

PRODUCT SPECIFICATION

Please refer to the product data sheet for full specification, available to down load at www.omegamanual.info.

RECEIVE AND UNPACKING

Please inspect the packaging and instrument thoroughly for any signs of transit damage. If the instrument has been damaged, please notify your supplier immediately.

CONFIGURATION

IMPORTANT The TXDIN1610 can be configured whilst connected and powered, but a portable battery powered computer must be used to avoid the effects of ground loops.





· Burnout (direction of output current on sensor burnout)

· User Trim (option to lock out front panel trim function)

User Trim

= ON



№ 000

or sensor

or

2

20.000

4.0 Once trim is complete

allow 30 seconds with no button press, the transmitter will time out

and return to normal

operation.

🔿 Escape

> 30 s

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TXDIN1620 USER GUIDE

DIN RAIL MOUNTED CONDITIONER UNIVERSAL INPUT THREE WIRE VOLTAGE OUTPUT





Important - Please read this document before any installing.

Every effort has been taken to ensure the accuracy of this document, however we do not accept responsibility for damage, injury, loss or expense resulting from errors and omissions, and we reserve the right of amendment without notice.

MPORTANT - CE & SAFETY REQUIREMENTS

Product must be DIN rail mounted, inside a suitable enclosure providing environmental protection to IP65 or greater.

To maintain CE EMC requirements, input and supply wires must be less than 30 metres.

Dc supply must be derived from a local supply and not a distribution system.

The product contains no serviceable parts, or internal adjustments. no attempt must be made to repair this product. Faulty units must be returned to supplier for repair.

This product must be installed by a qualified person. All electrical wiring must be carried out in accordance with the appropriate regulations for the place of installation.

Before attempting any electrical connection work, please ensure all supplies are switched off.

ABSOLUTE MAXIMUM OPERATING CONDITIONS:-

± 30 V dc (Protected for over voltage and reverse connection) Supply Voltage ± 200 mA ± 5 V between any terminals Current with over voltage Input Voltage ± 100 mA between terminals 7 & 10 Input Current Temperature (-30 to 75) °C Humidity (10 to 95) % RH (Non condensing) Ambient

PRODUCT SPECIFICATION

Please refer to the product data sheet for full specification, available to down load at www.omegamanual.info.

RECEIVE AND UNPACKING

Please inspect the packaging and instrument thoroughly for any signs of transit damage. If the instrument has been damaged, please notify your supplier immediately.

CONFIGURATION

IMPORTANT The TXDIN1620 can be configured whilst connected and powered, but a portable battery powered computer must be used tevoid the effects of ground loops.



The following parameter can be configured by simply entering as prompted by the software package.

- · Input type (K, J, E, N, T, R, S, mV, PT100, mA)
- Low range
- · High range · Units (°C, °F, mV, mA)
- Burnout (direction of output current on sensor burnout)
 Output Range (0 to 10), (0 to 5), (0 to 1), (1 to 5), and (2 to 10) V

· User Trim (option to lock out front panel trim function)

fault:	
Input type	= P
Units	= °C
High Range	= 100
Low Range	= 0
Burnout	= UPSCALE
Output range	= (0 to 10) V
User Trim	= ON

Factory de



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Important - Potentially Hazardous situations. Persons responsible for the installation and operation of this equipment must be fully aware of all aspects of this guide. Failure to follow the instructions can cause severe injuries and damage.

Every effort has been taken to ensure the accuracy of this document, however we do not accept responsibility for damage, injury, loss or expense resulting from errors and omissions, and we reserve the right of amendment without notice.

IMPORTANT - CE & SAFETY REQUIREMENTS

This product is suitable for enviroment Installation category II pollution degree. The product is classed as "PERMANENTLY CONNECTED FOUIPMENT

Product must be DIN rail mounted, inside a suitable enclosure providing environmental protection to IP65 or greater.

Dc supply must be derived from a local supply and not a distribution system. Max relay contact rating 250 V AC @ 1 a (30 V DC @ 1A). Any circuit connected to a contact must be fused with a 2A (T) fuse.

To maintain CE EMC requirements , input and supply wires must be less than 30 metres.

The product contains no serviceable parts, or internal adjustments, no attempt must be made to repair this product. Faulty units must be returned to supplier for repair. This product must be installed by a qualified person. All electrical wiring must be carried out in accordance with the appropriate regulations for the place of installation.

Before attempting any electrical connection work, please ensure all supplies are switched off.

ABSOLUTE MAXIMUM OPERATING CONDITIONS:-

Supply Voltage Current with over voltage Input Voltage Input Current Ambient

± 30 V dc (Protected for over voltage and reverse connection) ± 200 mA ±5 V between any terminals ± 100 mA between terminals 7 & 10 Temperature (-30 to 75) °C Humidity (10 to 95) % RH (Non condensing)

PRODUCT SPECIFICATION

Please refer to the product data sheet for full specification, available to down load at www.omegamanual.info

RECEIVE AND UNPACKING

Please inspect the packaging and instrument thoroughly for any signs of transit damage. If the instrument has been damaged, please notify your supplier immediately.



IMPORTANT The TXDIN1630 can be configured whilst connected and powered, but a portable battery powered computer must be used tavoid the effects of ground loops.



The following parameter can be configured by simply entering as prompted by the software package

· Input type (K, J, E, N, T, R, S, mV, PT100, mA)

Setpoint Trip A & B

· Hysterisis Trip A & B · Units (°C, °F, mV, mA)

· Trip A & B Level (High or Low)

ry default	:	
Inp	out type	= P
Un	nits	= °C
Tri	ip A	= H
Se	tpoint Trip A	= 50
Hy	sterisis Trip A	= 1
Tri	ip B	= H
Se	tpoint Trip B	= 50
Hy	sterisis Trip B	= 1

Facto





USB configuration port

TRIP A TRIP B RANGE USB

WARRANTY/DISCLAIMER

OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of **37 months** from date of purchase. OMEGA's WARRANTY adds an additional one (1) month grace period to the normal **three (3) 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 it will be as specified and free of defects. OMEGA MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND WHATSOEVER, EXPRESS 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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