



ORNO OR-PI-457-1-UNI Installation-Relay Instruction Manual

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OR-PI-457-1-UNI Installation-Relay Instruction Manual



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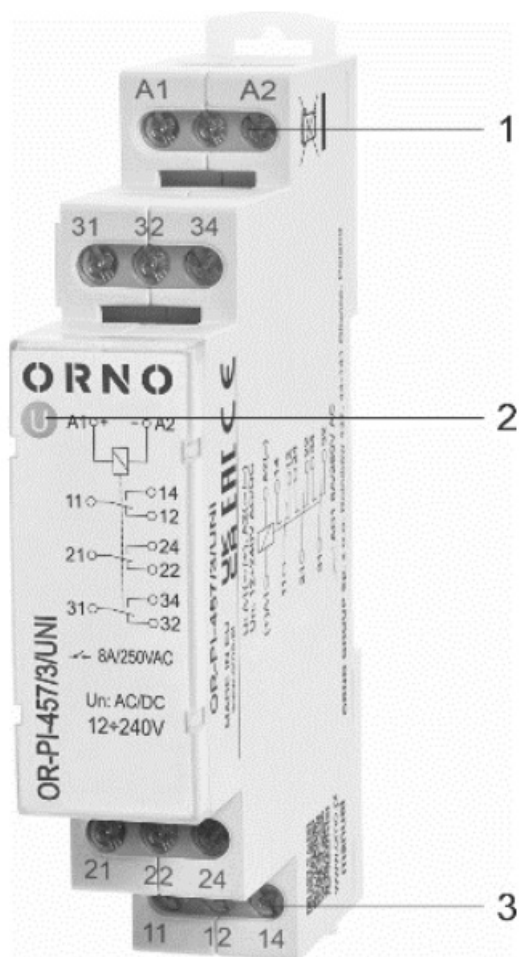
Directions for safety use

Before use of the device, read this service manual and keep it for future. Repairs and modifications carried out by yourselves result in the guarantee invalidation. The manufacturer is not liable for damages that can get out of improper device installation or operation. In view of the fact the technical data are subject to continuous modifications, the Manufacturer reserves the right to make changes in the product characteristics and to introduce another constructional solutions that do not deteriorate the product parameters and use values. The latest version of the manual can be downloaded from support.orno.pl. Any rights to translate / construe and the copyright of this manual are reserved. Time relays shall be installed by personnel qualified in the rules of electrical connections. All and any electrical connections of the time relay shall comply with the appropriate safety standards.

1. Do not use the device against its intended use.
2. Disconnect the power supply before any activities on the product.
3. Do not immerse the device in water or another fluids.
4. Do not operate the device when its housing is damaged.
5. Do not open the device and do not repair it by yourselves.
6. The product is suitable for indoor installation.
7. Product compliant with CE standards.
8. Every household is a user of electrical and electronic equipment and therefore a potential producer of hazardous waste to humans and the environment from the presence of hazardous substances, mixtures and components in the equipment. On the other hand, waste equipment is a valuable material, from which we can recover raw materials such as copper, tin, glass, iron and others. The symbol of a crossed-out rubbish bin placed on the equipment, packaging or documents attached thereto indicates the necessity of separate collection of waste electrical and electronic equipment. Products marked in this way, under penalty of a fine, may not be disposed of in ordinary waste together with other waste. The marking also means that the equipment was placed on the market after the 13th August 2005.

It is the user's responsibility to hand over the waste equipment to a designated collection point for proper treatment. Used equipment may also be returned to the seller in case of purchase of a new product in a quantity not greater than the new purchased equipment of the same type. Information about the available waste electrical equipment collection system can be found at the information point of the shop and in the municipal office. Proper handling of waste equipment prevents negative consequences for the environment and human health!

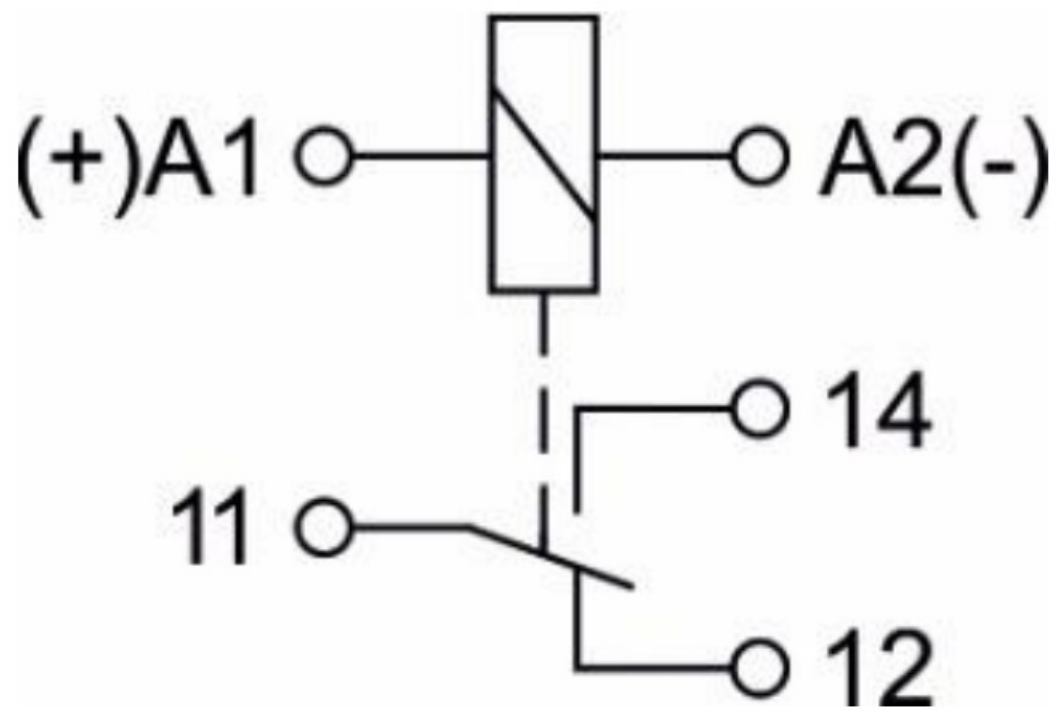
CONSTRUCTION



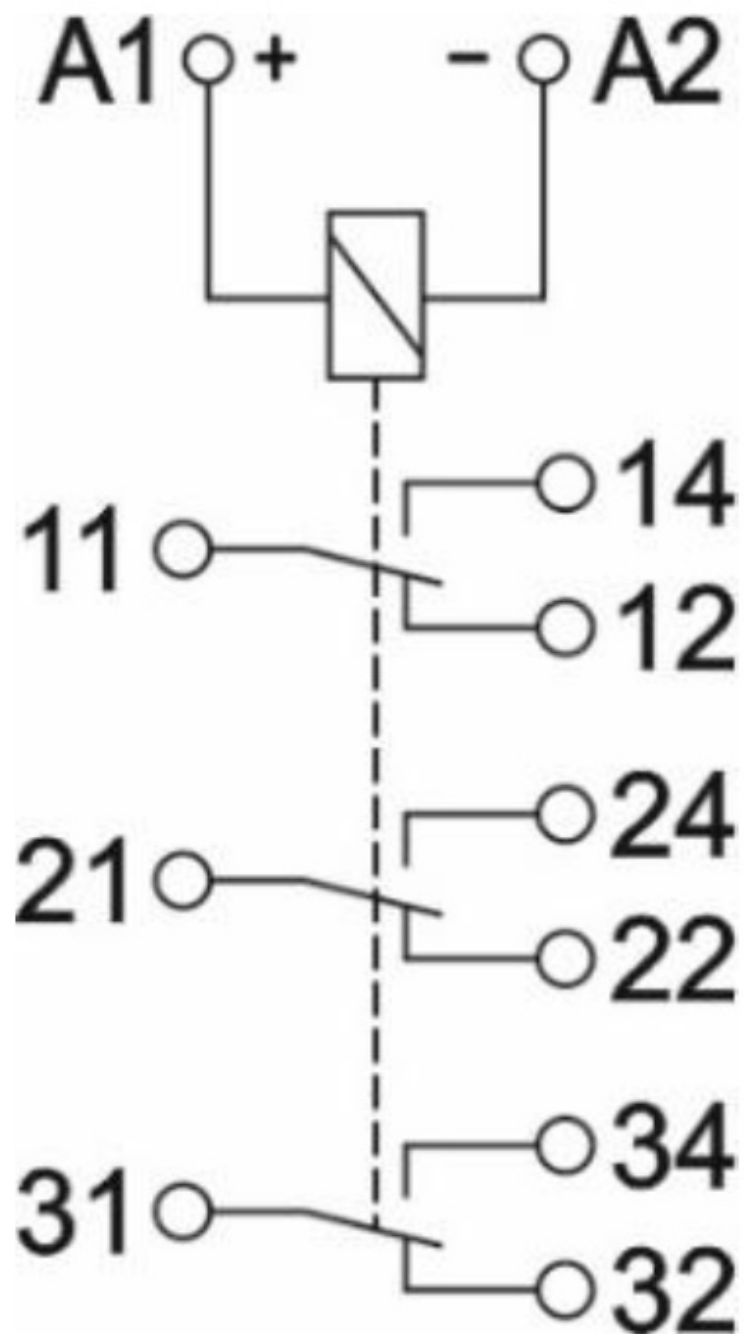
1. Supply terminals (A1, A2)
2. Green LED U ON – indication of supply voltage U
3. Outputs terminals (11, 12, 14)

CONNECTION DIAGRAMS

OR-PI-457/1/UNI, OR-PI-457/1/230AC



OR-PI-457/3/UNI



TECHNICAL DATA

Output circuit – contact data	OR-PI-457/1/UNI	OR-PI-457/1/230AC	OR-PI-457/3/UNI
Number and type of contacts	1P / 1CO / 1W		3P / 3CO / 3W
Contact material	AgSnO ₂		
Max. switching voltage	300V AC / 300V DC		
Rated load	16 A / 250 V AC 16 A / 24 V DC		8 A / 250 V AC 8 A / 24 V DC

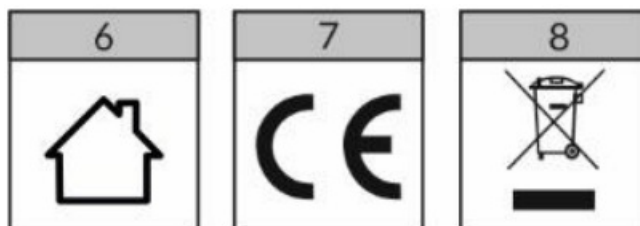
Min. Contacts current	10 mA		
Max. inrush current	30A		
Rated current	16A		8A
Max. breaking capacity	4 000 VA		2 000 VA
Min. breaking capacity	1 W		
Contact resistance	≤ 100 mΩ		
Input circuit			
Rated voltage	12...240 V AC: 50/60 Hz, zaciski (+)A1, (-)A2	24,115,230V AC: 50/60Hz zaciski A1,A2 12,24,48V DC zaciski(+)A 1, (-)A2	12...240 V AC: 50/60 Hz, zaciski (+)A1, (-)A2
Residual voltage	AC: ≥ 0,15Un DC: ≥ 0,05Un		
Operating voltage range	0,85... 1,1 Un		
Rated power consumption	≤ 1,5W	≤ 1W : 12,24,48V DC ≤ 1W : 24,115V AC 50/60Hz ≤ 1,5W / 5,5 VA : 230V AC, 50/60HZ	≤ 1,5W
AC power frequency range	48...63 Hz		
Insulation (EN 60664-1)			
Insulation rated voltage	250 V AC		
Rated surge voltage	4 000 V 1,2 / 50 μs		
Overvoltage category	III		
Insulation pollution degree	2		
Flammability class	V-0		
Test voltage Input-output contact interval between current circuits	4 000V AC 1 000V AC 2 000V AC		

General data			
Electrical life	> 0,5 x 10 ⁵ 16 A, 8 A, 250 V AC		
Mechanical life (cycles)	> 10 ⁷	10 ⁷	> 10 ⁷
Dimensions	90 x 17,5 x 64,6 mm		
Weight	60g	65g	
Storage temperature	-40°C...+70 °C		
Working temperature	-20°C...+50 °C		
Storage humidity	<85%		
Cover protection category	IP 20 PN-EN 60529		
Max. cross-section of cables	2,5mm ²		
Installation	Na szynę/ DIN rail/ DIN-Shine TH-35		
Width	1 moduł/module/Modul 17,5mm		


Operating Manual

DESCRIPTION

Installation relays, electromagnetic. Cadmium-free contacts (1CO, 3CO). AC/DC input voltages.



Documents / Resources

	ORNO OR-PI-457-1-UNI Installation-Relay [pdf] Instruction Manual OR-PI-457-1-UNI Installation-Relay, OR-PI-457-1-UNI, Installation-Relay, Relay
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References

-  [Home | ORNO POLSKA - Living innovations](#)
-  [Home | ORNO POLSKA - Living innovations](#)

Manuals+.