



F&F Filipowski sp. j.  
Konstantynowska 79/81, 95-200 Pabianice, POLAND  
phone/fax (+48 42) 215 23 83 / (+48 42) 227 09 71  
www.fif.com.pl; e-mail: biuro@fif.com.pl

## WNC-1

Voltage indicator  
with display, 1-phase



**Do not dispose of this device in the trash along with other waste!** According to the Law on Waste, electro coming from households free of charge and can give any amount to up to that end point of collection, as well as to store the occasion of the purchase of new equipment (in accordance with the principle of old-for-new, regardless of brand). Electro thrown in the trash or abandoned in nature, pose a threat to the environment and human health.



### Purpose

WNC-1 voltage indicator is designed to measure and indicate the value of 1-phase AC voltage in the range of 80÷500 V AC.

### Functioning

The measured voltage value is indicated directly in numerical form on the 3-digit LED display. Voltage is displayed with a resolution of 1 V, measurement is updated five times per second.



The measured voltage is also used to power the indicator. If the voltage drops below 80 V, the indicator display may turn off.

## Mounting

1. Disconnect the power supply.
  2. Install the indicator on the rail in the distribution board.
  3. Connect the indicator to the source of measured voltage according to the diagram.
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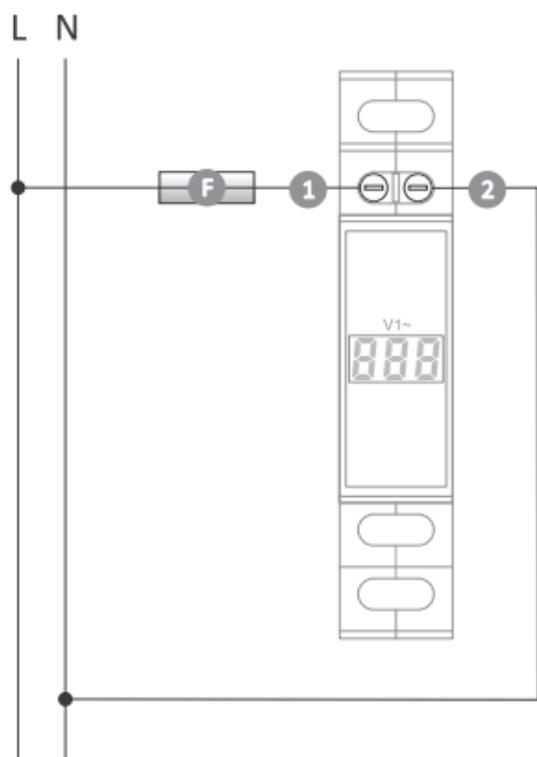


It is recommended to protect the indicator with a slow-blow fuses with a rating current of 0.25 or the circuit breaker with B characteristics and rating current of 1 A.

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4. Switch on the power supply and verify that the device is working correctly.

## Wiring diagram



## Technical data

power supply	80÷500 V AC
frequency	50÷60 Hz
voltage indicator	3-digits, 7-segment LED
digit height	7 mm
measurement resolution	1 V
measurement accuracy	1% ( $\pm 1$ digit)
power consumption	<5 VA, <1 W
working temperature	-5÷40°C
storage temperature	-25÷70°C
terminal	1.5 mm <sup>2</sup> screw terminals
tightening torque	0.4 Nm
dimensions	1 module (18 mm)
mounting	on TH-35 rail
ingress protection	IP20

## Warranty

F&F products are covered by a 24-month warranty from the date of purchase. The warranty is only valid with proof of purchase. Contact your dealer or contact us directly.

## CE declaration

F&F Filipowski sp. j. declares that the device is in conformity with the essential requirements of The Low Voltage Directive (LVD) 2014/35/EU and the Electromagnetic Compatibility (EMC) Directive 2014/30/UE. The CE Declaration of Conformity, along with the references to the standards in relation to which conformity is declared, can be found [www.fif.com.pl](http://www.fif.com.pl) on the product subpage.