

## CP-721

### Programmable Voltage Relay

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Single phase. Programmable.

The CP-721 voltage relay is used to control the single-phase voltage and to protect the single-phase load from the effects of voltage increase or decrease outside the set values.



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## FUNCTIONING

### DESCRIPTION

#### Functions

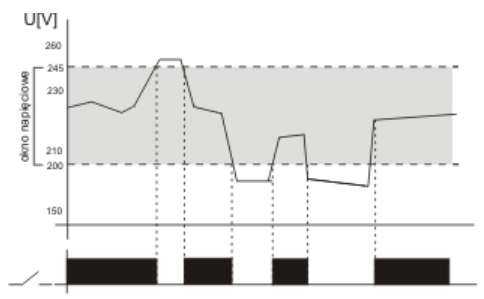
- Setting the voltage window (UL and UH thresholds)
- Separate setting of response times when UL and UH thresholds are exceeded
- Setting the return time
- Continuous indication of the network voltage
- Signaling correct network voltage and contact closure

#### Functioning

In the operating mode, the display shows the value of the currently measured voltage.

The lower threshold (UL) and upper (UH) set by the user determines the voltage threshold. voltage window, within which voltage changes may occur, which do not cause the relay to operate. With the correct supply voltage, the relay contact remains closed. Changing the supply voltage above or below the set voltage thresholds will open the contact with a time delay set by the user. The red LED illuminates when the contact closes. Exceeding the voltage above 5 V from the set thresholds UH and UL is signaled by the pulsation of the values displayed on the display.

The relay will be connected again automatically in case of a permanent voltage value of 5 V in relation to the set threshold values UH and UL for the return time set by the user.



The relay can be supplied with voltage up to 450 V ~. This allows effective protection of the receiver even when the voltage is higher than the permissible standard. The device is protected against changing the polarity of the power supply - this will not destroy ("burn") the relay.

## TECHNICAL DATA

With detachable clamps	No
External power supply required	No
Voltage measuring range 1	150-210 V
Response value voltage	150-260 V
Single-phase under voltage possible	Yes
Three-phase under voltage possible	No
Single-phase overvoltage possible	Yes
Three-phase overvoltage possible	No
Single-phase hysteresis possible	Yes
Three-phase hysteresis possible	No
Contains function DC-under voltage	No
Contains function DC overvoltage	No
Contains function DC-voltage hysteresis	No
Min. adjustable off-delay time	2 s
Max. permitted off-delay time	10 s
Number of contacts as normally open contact	0
Width	35 mm
Height	90 mm
Depth	65 mm
Type of electric connection	Screw connection
Type of voltage measuring range	AC
Min. adjustable delay-on energization time	0.1 s

Max. permitted delay-on energization time	1 s
Number of contacts as normally closed contact	0
Number of contacts as change-over contact	2
Rated switch current	8 A
Voltage type (supply voltage)	AC
Voltage type (operating voltage)	AC

Manual

REACH Declaration

RoHS Declaration