



F&F Filipowski sp. j
ul. Konstytucyjna 79/81
95-200 Pabianice POLAND
tel/fax 48 42 2270971
e-mail: fif@fif.com.pl

EPP-620

ELECTRONIC CURRENT RELAY



5 19 0 8 3 1 2 1 5 9 4 2 6 0 >

www.fif.com.pl

F&F products are covered by an 24 months warranty from date of purchase

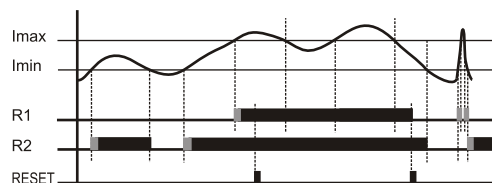
PURPOSE

Current relay is used to control the value of the current in the circuit measured with switch contacts function in the case of the value of current above the set threshold values.

FUNCTIONING

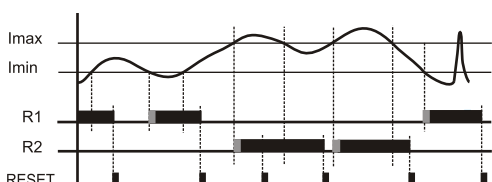
Relay is designed to work with current transformer with secondary current 5A. Primary circuit of transformer is connected in the measured current circuit and the secondary to the relay measuring joints. Relay work with one of four work functions. You can select function by potentiometer FUN, and set the selected function [A, B, C or D]. By potentiometers you can set current threshold - by lower I_{min} and by top I_{max} . Above the measured current makes closes the appropriate joints, accordance in the selected work function. Joint is close with delay set by potentiometer T1 (to joint R1) and T2 (to joint R2). Close the joints is signaling by shining a appropriate LED I_{max} and I_{min} .

C



After above I_{min} the joint R2 is closed. After above the threshold I_{max} joint R1 is closed. Joint R1 is locked until you press RESET button. When value above I_{max} joint R1 don't react to RESET.

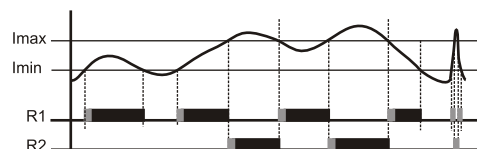
D



After above I_{min} the joint R1 is closed. After above the threshold I_{max} joint R2 is closed and joint R1 is opened. Joints R1 and R2 are locked until you press RESET button. When value above I_{max} joint R2 don't react to RESET.

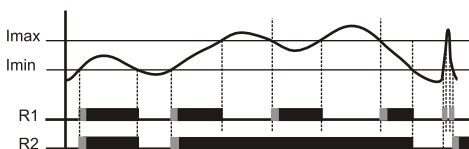
WORK FUNCTIONS

A



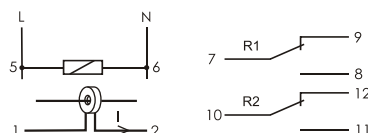
After above I_{min} the joint R1 is closed. After above the threshold I_{max} the joint R2 is closed and joint R1 is open.

B



After above I_{min} the joints R1 and R2 are closed. After above the threshold I_{max} joint R2 is closed and joint R1 is open.

DIAGRAM



ASSEMBLY

1. Take OFF the power.
2. Put on the relay on the rail in the switchgearbox.
3. Supply of relay connect to joint 5-6 accordance with marks.
4. To measured joints 1-2 connect secondary circuit of current relay.
5. On the current scale of the relay set: work function, activation threshold and time delay of activation.

TECHNICAL DATA

supply	230VAC
joints	2*separate 1P
current R1 and R2	2*(<16A)
current of measured circuit	<5A
switch current - adjustable I_{min}	0,02÷1A
I_{max}	0,5÷5A
return hysteresis	10%
Activation time T1 and T2 - adjustable	0÷20sec
delay of return	0,5sec
power consumption	0,4W
working temperature	-25÷50°C
connection	screw terminals 2,5mm ²
dimensions	3 module (52,5 mm)
fixing	on rail TH-35

A100811