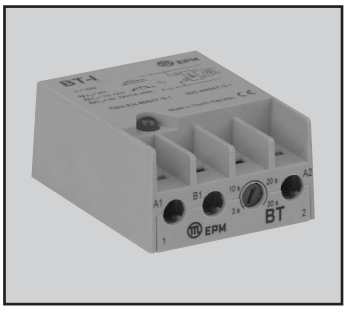
1.4.2 Electronic timer BT

Series “BT“ electronic timers are to be used in the contactor control coil circuit according to the wiring diagrams provided below. These timers can be fixed in the same way as the “BC“ or “BO“ series. They are supplied in the following versions (refer also to the function diagrams):
BT-ZO timer switches on instantaneously with the start signal on the terminal B1 and releases t-time after the disappearance of the start signal – it is applicable for controlling of exhaust fans, lighting, etc.
BT-ZP timer energizes the contactor coil t-time after the appearance of input voltage and switches off instantaneously when the input voltage is off – it provides the function of consequent switching.
BT-I timer gives an output impulse and is designed mainly for utilization in star-delta starters.
All versions need a minimum power off time of 1.5 s after timing to restart correctly. The red LED signals timing functions.

Table-No. 12 – Rating

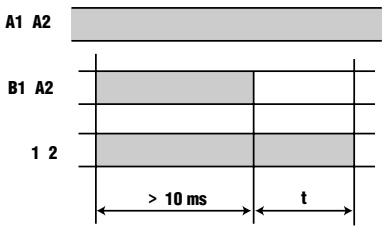


Rated insulation voltage U_i [V]	250
Control voltages U_C [V]	24 V (DC or AC)
	110..127 V (110 V DC or 110..127 V AC)
	220..230 V AC
Timing ranges [s]	0,3..3; 3..30; 30..300 *
Electrical durability	
in AC-15 at 230 V/0,2 A or 110 V/0,4 A or 24 V/2 A [op. cycles]	10×10^6
in DC-14 at 125 V/0,2 A; 24 V/1 A [op. cycles]	5×10^6
Repeatable accuracy of the setting	±5 % of the upper range limit

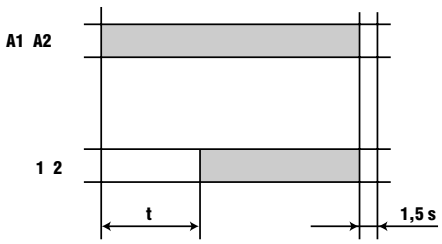
** longer time version on special request only and for an extra charge*

Timing function

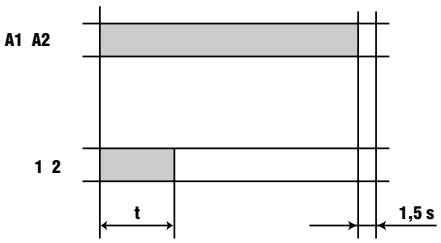
Delayed OFF BT-ZO



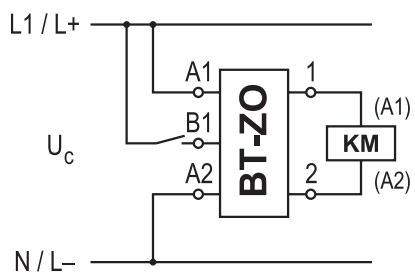
Delayed ON BT-ZP

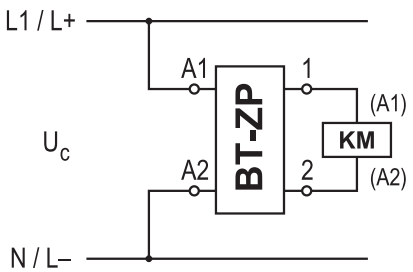


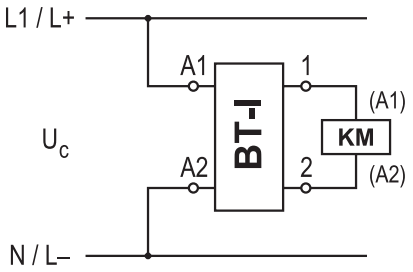
Instant impulse BT-I



Wiring diagram







Example of order

Type	Control voltage	Timing range	No. pf pcs
BT-ZO	220-230 V AC	3..30 s	3 pcs