DISIBEINT

PTZA / PTZB
DTZA / DTZB

MULTITIMER

Difference	Multifunction - Multirange - Multivoltage
Operating principle	10 modes according to the “FUNCTION” selector (see description of the functions at page 2): - Without using the external input: A - Delay on operate B - Interval on operate - Using the external input: A - Delay on operate, with time storage, without memory B - Interval on operate, with time storage, without memory C - Delay on operate, when the input is activated D - Interval on operate, while the input is activated E - Delay on operate, when the input is deactivated F - Interval on operate, when the input is deactivated G - Delay on operate, when the input is activated and when it is deactivated H - Interval on operate, when the input is activated and when it is deactivated
Leds indicadication	Power on: Green Relay on: Red
Repeating precision	± 0,02%
Precision	± 0,6%
Reset	By disconnecting the supply for longer than 20 ms.

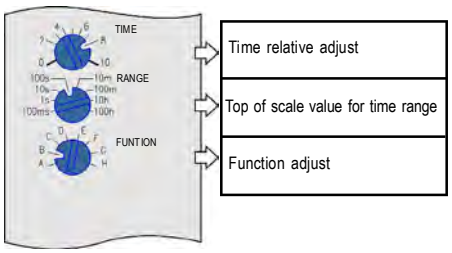
Reference

HOUSING		FUNCTION		OUTPUT		SUPPLY		RANGE
P	Plug In	**TZ**	Multitimer	**A**	SPDT	**U40**	24..240 VAC/DC	**100**
D	DIN Rail			**B**	DPDT			

100: 10..100 ms; 0,1..1 s; 1..10 s; 10..100 s; 1..10 min; 10..100 min; 1..10 h; 10..100 h

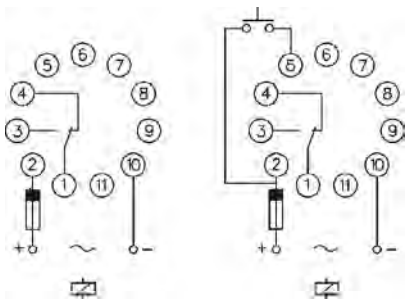
To compose the reference, select one option of each column. Example: **PTZA U40 100**

Adjustment buttons

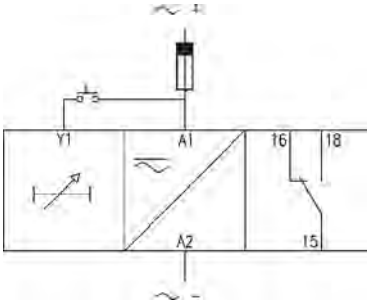


Connection diagram

PTZA / PTZB



DTZA / DTZB



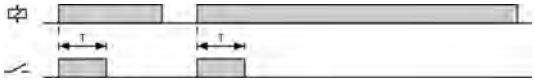
FUNCTIONS AND DIAGRAMS

Delay on operate

When the supply voltage is connected the relay remains released and the time circuit starts up. Once the preset time is elapsed, the relay operates and remain so for an undefined time.

Interval on operate

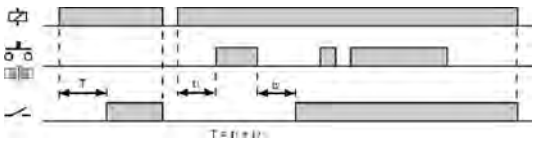
When the supply voltage is connected the relay operates immediately and the time circuit starts up. Once the preset time is elapsed, the relay releases and remain so for an undefined time.



With time storage, without memory

When the supply voltage is connected the relay remains released and the time circuit starts up. If the external input is activated before the preset time is elapsed, the time circuit stops. When the input is released, the time circuit follows from the point where it stopped previously. When the time accumulated is greater than the preset time, the relay operates and remains so for an undefined time.

The absence of power supply causes the time and relay reset.



While the input is activated

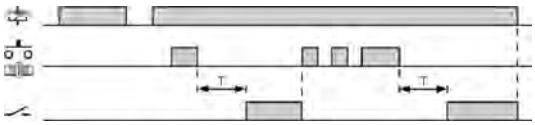
When the supply voltage is connected, if the external input is not activated there is no effect on the system. When the input is activated the time circuit starts up. Once the preset time is elapsed, the relay operates and remains so until the external input or the supply voltage are deactivated.

The succession of input pulses with a cadence less than the preset time brings about the reset of the time.

When the input is deactivated

When the supply voltage is connected there is no effect on the system regardless of the state of the external input. When the input is activated, the relay remains released and when it is deactivated the time circuit starts up. Once the preset time is elapsed, the relay operates and remains so until the input is again activated or the supply voltage is disconnected.

The succession of input pulses with a cadence less than the preset time brings about the reset of the time.



When the input is activated and when it is deactivated

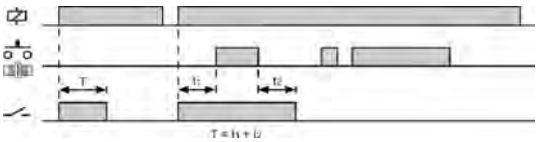
When the supply voltage is connected there is no effect on the system regardless of the state of the external input. When the input is activated, the relay remains released and the time circuit starts up. Once the preset time is elapsed, the relay operates. When the input is deactivated, the relay releases and the time circuit starts up again. Once the preset time is elapsed, the relay operates.

The succession of input pulses with a cadence less than the preset time brings about the reset of the time.

With time storage, without memory

When the supply voltage is connected the relay operates immediately and the time circuit starts up. If the external input is activated before the preset time is elapsed, the time circuit stops. When the input is released, the time circuit follows from the point where it stopped previously. When the time accumulated is greater than the preset time, the relay releases and remains so for an undefined time.

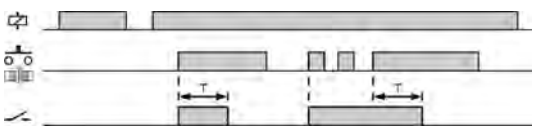
The absence of power supply causes the time and relay reset.



While the input is activated

When the supply voltage is connected, if the external input is not activated there is no effect on the system. When the input is activated the relay operates immediately and the time circuit starts up. Once the preset time is elapsed, the relay releases and remains so until the external input is again activated.

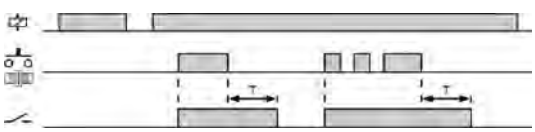
The succession of input pulses with a cadence less than the preset time brings about the reset of the time.



When the input is deactivated

When the supply voltage is connected, if the external input is not activated there is no effect on the system. When the input is activated the relay operates immediately and when it is deactivated the time circuit starts up. Once the preset time is elapsed, the relay releases and remains so until the external input or the supply voltage are deactivated.

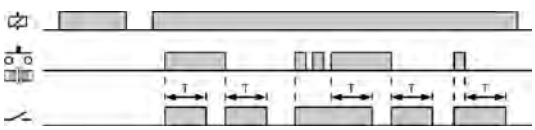
The succession of input pulses with a cadence less than the preset time brings about the reset of the time.



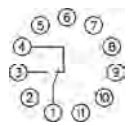
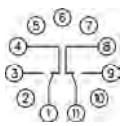
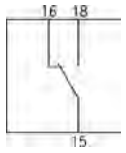
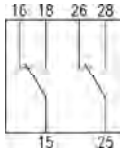
When the input is activated and when it is deactivated

When the supply voltage is connected there is no effect on the system regardless of the state of the external input. When the input is activated, the relay operates immediatley and the time circuit starts up. Once the preset time is elapsed, the relay releases. When the input is deactivated, the relay operates and the time circuit starts up again. Once the preset time is elapsed, the relay releases.

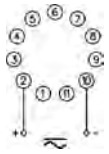
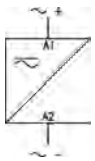
The succession of input pulses with a cadence less than the preset time brings about the reset of the time.



Output relays

		PTZA	PTZB	DTZA	DTZB
					
Resistive load	AC	10 A / 250 V	8 A / 250 V	10 A / 250 V	8 A / 250 V
	DC	0,4 A / 200 V 10 A / 24 V	0,25 A / 200 V 8 A / 24 V	0,4 A / 200 V 10 A / 24 V	0,25 A / 200 V 8 A / 24 V
Inductive load	AC	5 A / 250 V	2,5 A / 250 V	5 A / 250 V	2,5 A / 250 V
	DC	5 A / 24 V	4 A / 24 V	5 A / 24 V	4 A / 24 V
Mechanical life		> 30 x 10^6 operations		> 30 x 10^6 operations	
Max. switching rate, mech.		72.000 operations / hour		72.000 operations / hour	
Electrical life at full load		360 operations / hour		360 operations / hour	
Contact material		AgNi 90/10		AgNi 90/10	
Maximum voltage		440 VAC		440 VAC	
Operating voltage		250 VAC		250 VAC	
Volt. between changeovers		2500 VAC		2500 VAC	
Voltage between contacts		1000 VAC		1000 VAC	
Voltage coil/contact		5000 VAC		5000 VAC	
Distance coil/contact		10 mm		10 mm	
Isolation resistance		> 10^4 MΩ		> 10^4 MΩ	

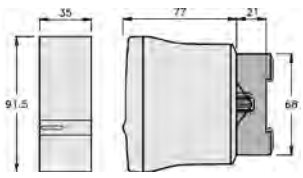
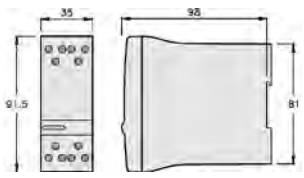
Supply

	ACDC	
	PTZA / PTZB	DTZA / DTZB / STZA
		
Galvanic isolation	No	
Consumption	1,7 W	
Frequency	-	
Operating margins	± 10%	
Positive	Terminal 2	Terminal A1
Protected polarity	Yes	

Constructive and anviromental data

	PTZA / PTZB	DTZA / DTZB
Voltage phase-neutral	300 V	300 V
Overvoltage category	III	III
Rated impulse voltage	4 kV	4 kV
Pollution degree	2	2
Protection	IP 20	IP 20
Approximate weight	270 g	270 g
Storage temperature	-50ºC +85ºC	-50ºC +85ºC
Operating temperature	-20ºC +50ºC	-20ºC +50ºC
Humidity	30~85% HR	30~85% HR
Housing	Cycoloy - Light grey	Cycoloy - Light grey
Socket	-	-
Leds cover	Lexan - Transparent	Lexan - Transparent
Button, terminal block, clip	Technyl - Dark blue	Technyl - Dark blue
Pins of the socket	-	-
Pins of the terminal block	Brass	Brass
Approvals	Designed and manufactured under EEC standards.Electromagnetic compatibility, directive **EMC 2004/108/CEE** (UNE-EN 61000 6-4/2007/A1:2011, UNE-EN 61000 6-2/2006). Electric safety, directive **LVD 2006/95/CEE** (UNE-EN-60204-1/ 2007/A1:2009; UNE-EN 61010-1/2011). Directive about certain hazardous sustances **2011/65/CEE** de 8/06/2011 Pb, Hg, Cd, Cr+6, PBB, PBDE. Plastics: **UL 91 V0**.	

Dimensions

PTZA / PTZB	DTZA / DTZB
	

DISIBEINT ELECTRONIC SL
Segle XX, 91
E08032-Barcelona
T: +34 934 330 370
F: +34 934 354 532
www.disibeint.com
disibeint@disibeint.com