

# PTPA DTPA



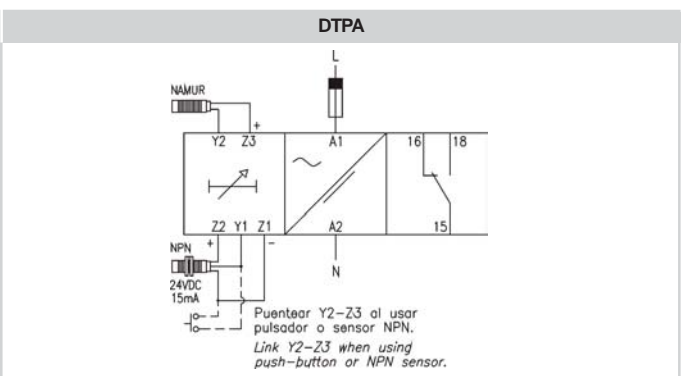
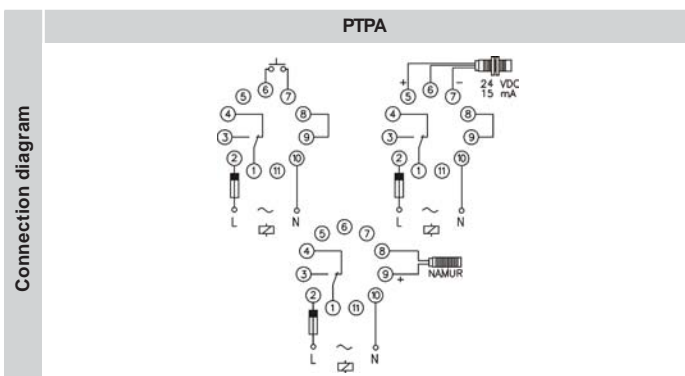
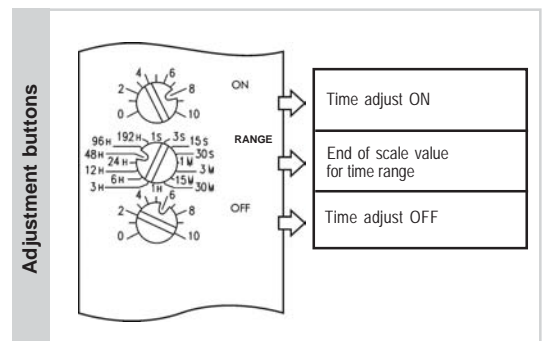
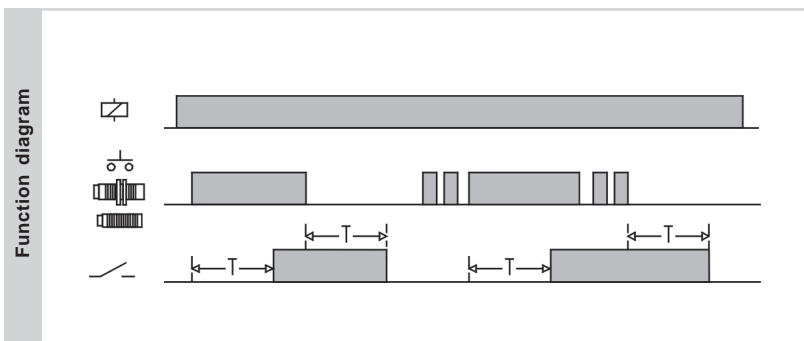
## DELAY ON OPERATE AND INTERVAL ON OPERATE TIMER

Function	Delay on operate and interval on operate.
Difference	Monofunction - Multirange - Monovoltage.
Operating principle	When the supply voltage is connected, this has no effect on the system. When the sensor is activated, the OFF pre-set time starts up. After this time has passed, the relay operates. When the sensor is deactivated, the ON pre-set time starts up. After this time, the relay releases. The succession of pulses in the sensor with a cadence less than the pre-set time brings about the reset of the time circuit.
Sensors	<u>Potential free contact:</u> Terminals 6-7 (PTPA) or Y1-Z2 (DTPA). The terminals 8 and 9 (PTPA) or Y2 and Y3 (DTPA) must be linked. <u>3 wires sensor:</u> NPN-NO (15mA, 24VDC) - Terminals 5-6-7 (PTPA) or Z2-Y1-Z1 (DTPA). The terminals 8 and 9 (PTPA) or Y2 and Y3 (DTPA) must be linked. <u>Namur sensor:</u> Terminals 8-9 (PTPA) or Y2-Y3 (DTPA).
Leds indication	Power on: Green Relay on: Red
Repeating precision	± 1%
Precision	± 2%
Reset	By disconnecting the supply voltage for longer than 60 ms.

Reference	HOUSING		FUNCTION		OUTPUT		SUPPLY		RANGE	
	P D	Plug-in DIN Rail	T P	Delay on and interval on	A	SPDT	U24 724 024 110 230 400 901 902	24 VAC/DC 24 VDC 24 VAC 110..125 VAC 220..240 VAC 380..415 VAC 15..70 VAC/DC 60..240 VAC/DC	192	0,1..1 S 0,3..3 S 1,5..15 S 3..30 S 6..60 S 18..180 S 1,5..15 M 3..30 M

Selection by rotary switch

To compose the reference, select one option of each column. Example: **PTPA 110 192**



		PTPA	DTPA	
Output relays				
	Resistive load	AC	10A / 250 V	10A / 250 V
		DC	0,4 A / 200 V 10 A / 24 V	0,4 A / 200 V 10 A / 24 V
	Inductive load	AC	10 A / 250 V	10 A / 250 V
		DC	0,4 A / 200 V 10 A / 24 V	0,4 A / 200 V 10 A / 24 V
	Mechanical life		> 30 x 10 <sup>6</sup> operations	> 30 x 10 <sup>6</sup> 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 <sup>4</sup> MΩ	> 10 <sup>4</sup> MΩ	

Supply	AC		DC		ACDC	
	PTPA	DTPA	PTPA	DTPA	PTPA	DTPA
Galvanic isolation	No		No		9XX: Yes	UXX: No
Consumption	1,6 VA		1,2 W		1,6 W	1,7 W
Frequency	50/60 Hz		-		-	
Operating margins	± 15%		± 10%		-	
Positive protected polarity	-		Terminal 2	Terminal A1	Terminal 2	Terminal A1
	-		Yes		Yes	

Constructive and environmental data	PTPA	DTPA	
	Voltage phase-neutral	300 V	300 V
	Overvoltage category	III	III
	Rated impulse voltage	4 kV	4 kV
	Pollution degree	2	3
	Protection	IP 20 B	IP 20
	Approximate weight	250 g	280 g
	Storage temperature	-50°C..+85°C	-50°C..+85°C
	Operating temperature	-20°C..+50°C	-20°C..+50°C
	Humidity	30..85% HR	30..85% HR
	Housing	Cycloley - Light grey	Cycloley - Light grey
	Socket	Lexan - Light grey	-
	Leds cover	Lexan - Transparent	Lexan - Transparent
	Button, terminal block, clip	Technyl - Dark blue	Technyl - Dark blue
	Pins of the socket	Nickled brass	-
Pins of the terminal block	-	Brass	
Approvals	Designed and manufactured under EEC standards. Electromagnetic compatibility , directives 89/366/EEC and 92/31/EEC. Electric safety, directive 73/23/EEC. Plastics: UL 91 V0		

Dimensions	PTPA	DTPA

Rev. 01/00 - 17/11/11 - DISIBEINT reserves the right to modify the specifications stated in this document without previous notice