

# MES

## PTCA / PTCB DTCA / DTCB

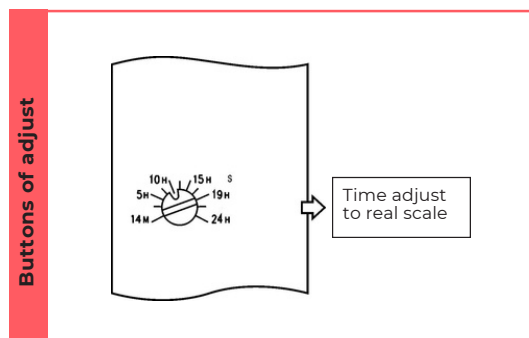
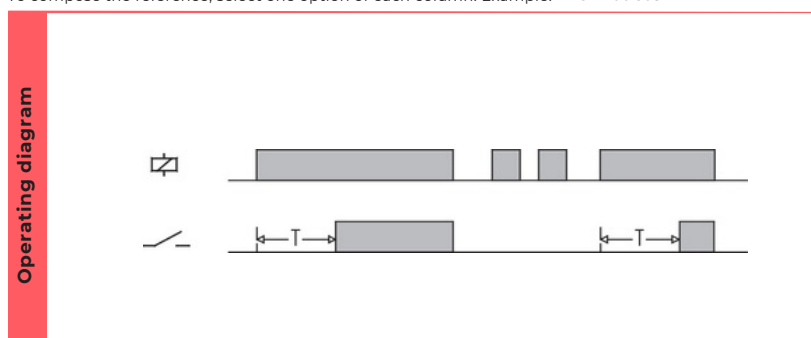


### DELAY ON OPERATE TIMER

<b>Function</b>	Delay on operate.
<b>Difference</b>	Monofunction - Monorange - Monovoltage
<b>Operating principle</b>	When the supply voltage is conected, the relay remains released and the time circuit starts up. After the pre-set time, the relay is operated. It can remain in this condition for an indefinite period of time.
<b>Leds indication</b>	Power on: Green Relay on: Red
<b>Repeating precision</b>	±2%
<b>precision</b>	±2%
<b>Reset</b>	By disconnecting the supply for longer than 50 ms.

	HOUSING	FUNCTION	OUTPUT	SUPPLY	RANGE	
Reference	<b>P</b> Plug-in	<b>T</b> Delay on operate	<b>A</b> SPDT	<b>U24</b> 24 VAC/DC	<b>3S</b> 0,03..3 S	<b>10M</b> 6..600 S
	<b>D</b> DIN rail			<b>C</b>	<b>B</b> DPDT	
				<b>024</b> 24 VAC	<b>30S</b> 0,3..30 S	<b>30M</b> 0,3..30 M
				<b>110</b> 110..125 VAC	<b>1M</b> 0,6..60 S	<b>1H</b> 0,6..60 M
				<b>230</b> 220..240 VAC	<b>2M</b> 1,2..120 S	<b>2H</b> 1,2..120 M
				<b>400</b> 380..415 VAC	<b>3M</b> 1,8..180 S	<b>3H</b> 1,8..180 M
					<b>5M</b> 3..300 S	

To compose the reference, select one option of each column. Example: **PTCA 400 30S**



		PTCA	PTCB	DTCA	DTCB	
Output relays	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
	<b>Mechanical life</b>		> 30 x 106 operations		> 30 x 106 operations	
	<b>Max. switching rate, mech.</b>		72.000 operations / hour		72.000 operations / hour	
	<b>Electrical life at full load</b>		360 operations / hour		360 operations / hour	
	<b>Contact material</b>		AgNi 90/10		AgNi 90/10	
	<b>Maximum voltage</b>		440 VAC		440 VAC	
	<b>Operating voltage</b>		250 VAC		250 VAC	
<b>Volt. between changeovers</b>		2500 VAC		2500 VAC		
<b>Voltage between contacts</b>		1000 VAC		1000 VAC		
<b>Voltage coil/contact</b>		5000 VAC		5000 VAC		
<b>Distance coil/contact</b>		10 mm		10 mm		
<b>Isolation resistance</b>		> 104 MΩ		> 104 MΩ		

Supply	PTCA / PTCB		DTCA / DTCB	
	AC		DC	
	ACDC		ACDC	
	Galvanic isolation		No	
	Consumption		1,6 VA	
	Frequency		50/60 Hz	
	Operating margins		± 15%	
Positive		-		
Protected polarity		-		

PTCA / PTCB		DTCA / DTCB	
No		No	
1,6 VA		1,2 W	
50/60 Hz		-	
± 15%		± 10%	
-		Terminal 2   Terminal A1	
-		Yes	

PTCA / PTCB		DTCA / DTCB	
9XX: Yes		UXX: No	
1,6 W		1,7 W	
-		-	
-		-	
Terminal 2		Terminal A1	
-		Yes	

Constructive and enviromental data	PTCA / PTCB		DTCA / DTCB	
	Voltage phase-neutral	300 V	300 V	300 V
	Overvoltage category	III	III	III
	Rated impulse voltage	4 kV	4 kV	4 kV
	Pollution degree	2	2	2
	Protection	IP 20 B	IP 20	IP 20
	Approximate weight	250 g	270 g	270 g
	Storage temperature	-50°C..+85°C	-50°C..+85°C	-50°C..+85°C
	Operating temperature	-20°C..+50°C	-20°C..+50°C	-20°C..+50°C
	Humidity	30..85% HR	30..85% HR	30..85% HR
	Housing	Cycoloy - Light grey	Cycoloy - Light grey	Cycoloy - Light grey
	Socket	Lexan - Light grey	-	-
	Leds cover	Lexan - Transparent	Lexan - Transparent	Lexan - Transparent
	Button, terminal block, clip	Technyl - Dark blue	Technyl - Dark blue	Technyl - Dark blue
	Pins of the socket	Nickled brass	-	-
Pins of the terminal block	-	Brass	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	PTCA / PTCB		DTCA / DTCB	

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