

**PVBA / PVBB
DVBA / DVBB
SVBA / SVBB**

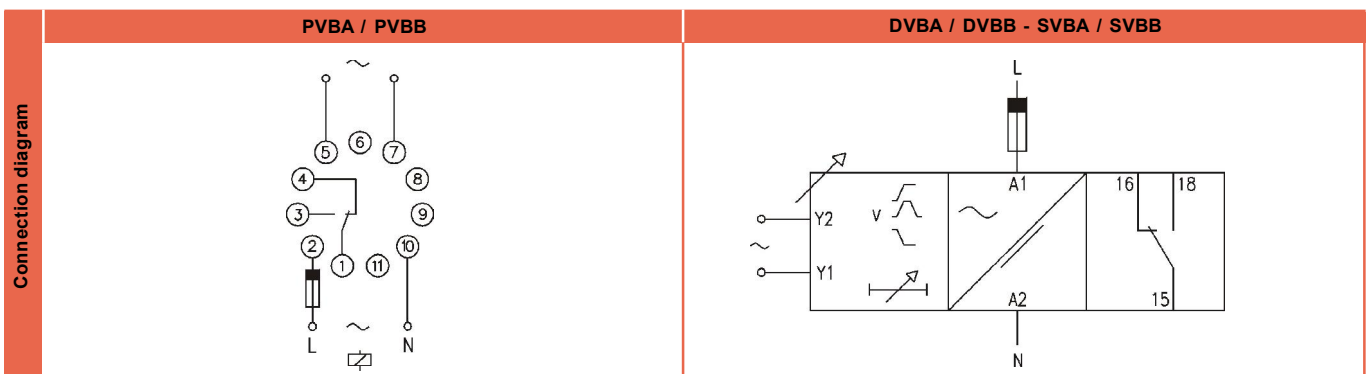
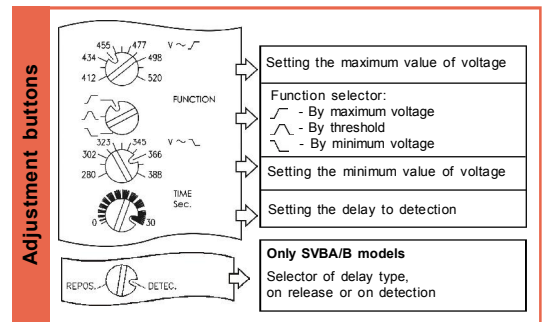
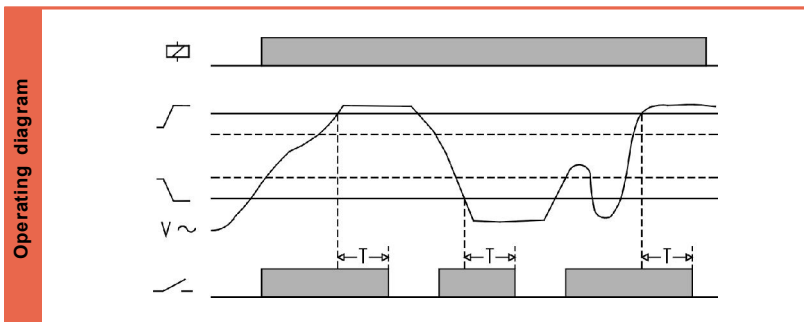


VOLTAGE RELAY

Difference	Relay for maximum, minimum or threshold voltage. Control of a secondary voltage.
Measurement	AC single phase.
Operating principle	Threshold - Selector in “” position. The relay remains operated while the value of the measure voltage is less than the maximum pre-set value and greater than the minimum pre-set value. If the measure voltage exceeds the maximum pre-set value or goes below the minimum, the relays releases after the time pre-set in the time control. Maximum or Minimum - In the Maximum and Minimum modes, the relay works in only one of the two states, according to the one selected.
Function	The function mode is selected through the “” rotary switch.
Leds indication	Power on: Green Relay on: Red
Hysteresis	10%. fix.
Timing	Delay on detection, adjustable from 0 to 30 seconds.

Reference	HOUSING	FUNCTION	OUTPUT	VOLTAGE	RANGES				
					MINIMUM	MAXIMUM			
P D S	Plug-in DIN rail Flush mounting	VB	Voltage relay	A 1 NANC B 2 NANC	024	24 VAC			
					110	110..125 VAC	024	16,8..23,3 VAC	24,7..31,2 VAC
					230	220..240 VAC	110	77..107 VAC	113..143 VAC
					400	380..415 VAC	230	161..223 VAC	237..299 VAC
					440	440 VAC	400	280..388 VAC	412..520 VAC
					901	15..70 VAC/DC			
					902	60..240 VAC/DC			

To compose the reference, select one option of each column. Example: **PVBA 024 230**



		PVBA	PVBB	DVBA	DVBB	SVBA	SVBB	
Output relays								
	Resistive load	AC	10 A / 250 V	8 A / 250 V	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	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	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	5 A / 24 V	4 A / 24 V
	Mechanical life		> 30 x 10 ⁶ operations		> 30 x 10 ⁶ operations		> 30 x 10 ⁶ operations	
	Max. switching rate, mech.		72.000 operations / hour		72.000 operations / hour		72.000 operations / hour	
	Electrical life at full load		360 operations / hour		360 operations / hour		360 operations / hour	
	Contact material		AgNi 90/10		AgNi 90/10		AgNi 90/10	
	Maximum voltage		440 VAC		440 VAC		440 VAC	
	Operating voltage		250 VAC		250 VAC		250 VAC	
	Volt. between changeovers		2500 VAC		2500 VAC		2500 VAC	
Voltage between contacts		1000 VAC		1000 VAC		1000 VAC		
Voltage coil/contact		5000 VAC		5000 VAC		5000 VAC		
Distance coil/contact		10 mm		10 mm		10 mm		
Isolation resistance		> 10 ⁴ MΩ		> 10 ⁴ MΩ		> 10 ⁴ MΩ		

	AC		ACDC	
	PVBA / PVBB	DVBA/B - SVBA/B	PVBA/PVBB	DVBA/B - SVBA/B
Galvanic isolation	Yes		No	
Frequency	50 / 60 Hz		-	
Operating margins	±10% -15%		±10%	
Positive	-		Terminal 2	Terminal A1
Protected polarity	-		Yes	

Constructive and environmental data	PVBA / PVBB	DVBA / DVBB	SVBA / SVBB	
	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	3	3
	Protection	IP 20 B	IP 20	IP 20
	Approximate weight	250 g	280 g	280 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	Cyclopol - Light grey	Cyclopol - Light grey	Cyclopol - 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	Nickel-plated 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	PVBA / PVBB	DVBA / DVBB	SVBA / SVBB

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