

## PVOA / PVOB DVOA / DVOB

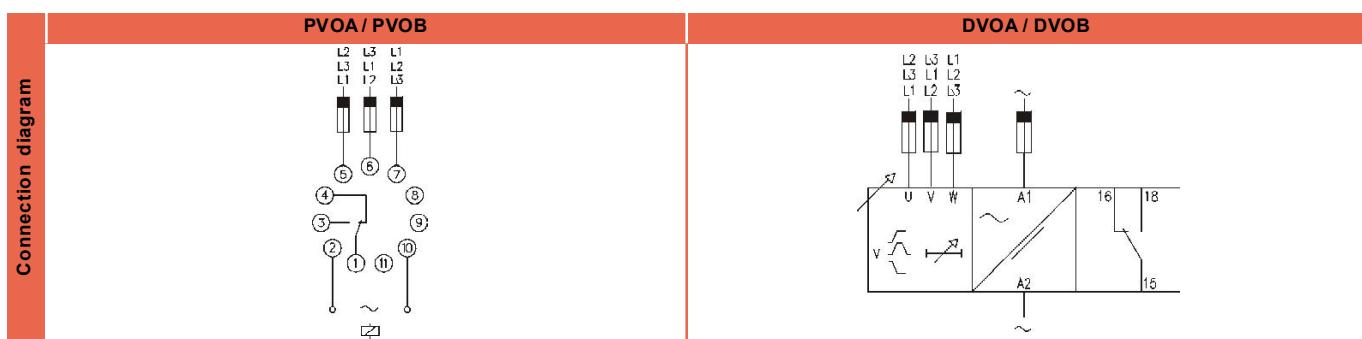
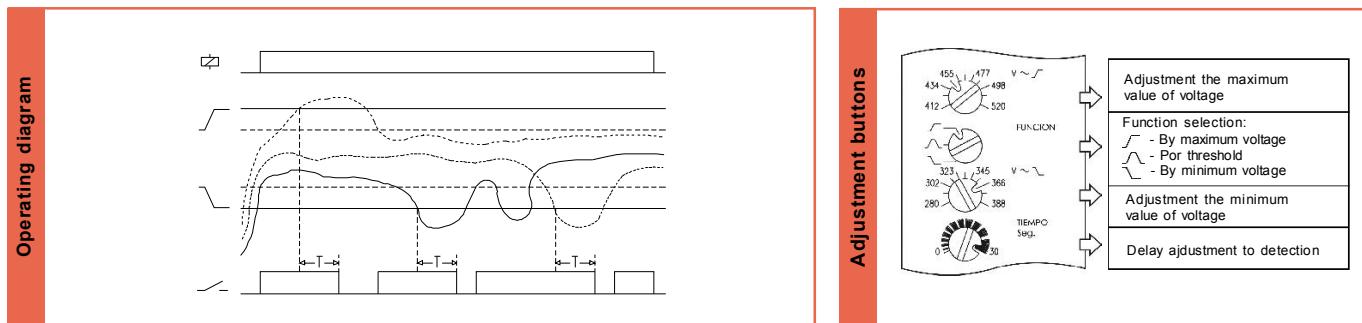
### TACHOMETER RELAY FOR THE WIND SPEED CONTROL



Founction	Voltage relay for three-phase lines. Auxiliary supply voltage. Maximum, minimum or threshold.
Operating principle	<b>Threshold</b> - Selector in "U\_\_" position. The relay remains operated while the value of the three-phase line is less than the maximum pre-set value or greater than the minimum pre-set value. If the three-phase line exceeds the maximum pre-set value or goes below the minimum pre-set value, the relay releases after the time pre-set in the time control. In the modes Maximum and Minimum the relay works in only one of the two states, according to the one selected. In all the modes, it's understood that the voltage can vary in the three phases all together or in only one of them.
Leds indication	Presence of voltage - Active relay.

Reference	HOUSING	FUNCTION	OUTPUT	VOLTAGE	RANGES			
					MIN. THRESHOLD	MAX. THRESHOLD		
P	Plug-in	V O	Voltage relay	024	24 VAC	110	90..107	113..130
					110	110..125 VAC	220	180..213
				A	220..240 VAC	230	189..223	237..271
					380..415 VAC	380	312..369	391..449
					440 VAC	400	328..388	412..472
					15..70 VAC/DC	415	340..403	427..490
					60..240 VAC/DC	440	361..427	453..520
					24..110 VAC/DC	460	377..446	473..542

To compose the reference, select one option of each column. Example: **PVOA 230 110**



	PVOA	PVOB	DVOA	DVOB
<b>Output relays</b>				
Resistive load	AC 10 A / 250 V 0,4 A / 200 V 10 A / 24 V	AC 8 A / 250 V 0,25 A / 200 V 8 A / 24 V	AC 10 A / 250 V 0,4 A / 200 V 10 A / 24 V	AC 8 A / 250 V 0,25 A / 200 V 8 A / 24 V
Inductive load	AC 5 A / 250 V 5 A / 24 V	AC 2,5 A / 250 V 4 A / 24 V	AC 5 A / 250 V 5 A / 24 V	AC 2,5 A / 250 V 4 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
<b>Supply</b>				
AC	PVOA / PVOB	DC	PVOA / PVOB	AC / DC
Galvanic isolation	Yes	No	No	
Frequency	50 / 60 Hz	-	-	
Operating margins	±18%	±10%	±10%	
Positive	-	Terminal 2	Terminal 2	
Protected polarity	-	Yes	Yes	
<b>Constructive and environmental data</b>				
Voltage phase-neutral	300 V	300 V		
Oversupply 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	Cyclooy - Light grey	Cyclooy - Light grey		
Socket	Lexan - Light grey	-		
Visor leds	Lexan - Transparent	Lexan - Transparent		
Button, terminal block, clip	Technyl - Dark blue	Technyl - Dark blue		
Pins of the socket	Nickel-plated brass	-		
Pins of the terminal block	-	Brass		
Approvals	Designed and manufactured under EEC standards. Electromagnetic compatibility, directives 89/366/EEC, 92/31/EEC, 93/68/EEC. Electric safety, directive 73/23/EEC. Plastics: UL 91 V0			
<b>Dimensions</b>	PVOA / PVOB		DVOA / DVOB	

Rev. 01/00 · 15/07/05 · DISIBEINT reserves the right to modify the specifications stated in this document without previous notice

