







## PVPA DVPA



### CURRENT RELAY WITH TWO SET POINTS

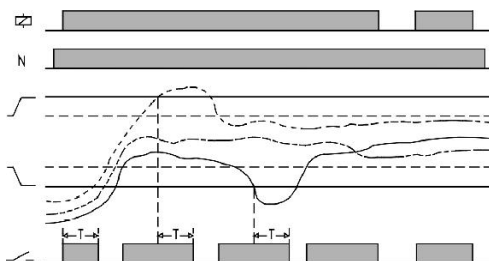


Difference	<ul style="list-style-type: none"> <li>Relay for maximum, minimum or threshold voltage.</li> <li>Controls its own power supply.</li> </ul>
Measurement	Three-phase line with neutral.
Operating principle	<p><b>Threshold</b> - Selector in “” position. The relay remains operated while the value of the supply voltage is less than the maximum pre-set value or greater than the minimum pre-set value. If the supply voltage 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.</p> <p><b>Maximum or Minimum</b> - In the Maximum and Minimum modes, the relay works only in one of the two states, according to the selected one.</p> <p>In all the modes, it's understood that the voltage can vary with the three phases together or with phase and neutral.</p>
Function	The function mode is selected through the “  -  -  ” rotary switch.
Leds indication	<p>Power on: Green</p> <p>Relay on: Red</p>
Regulation	±18% over the nominal voltage.
Hysteresis	1%. fix.
Timing	Delay on detection adjustable from 0 to 30 s.

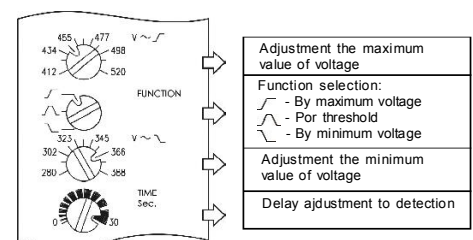
Reference	HOUSING		FUNCTION		OUTPUT		VOLTAGE		RANGES	
									MINIMUM (  )	MAXIMUM (  )
	P	D	VP		A		024		110	
	Plug inn	DIN rail	Voltage relay		SPDT		24 VCA		52,08..61,60 VCA	65,41..74,94 VCA
							110 110..125 VCA		104,15..123,21 VCA	130,83..149,88 VCA
							230 220..240 VCA		189,37..224,04 VCA	237,87..272,51 VCA
							400 380..415 VCA		196,47..232,41 VCA	246,79..282,73 VCA
							440 440 VCA		208,31..246,41 VCA	261,66..299,76 VCA
							901 15..70 VCA/CC			
							902 60..240 VCA/CC			
The values are referred to the voltage between phase and neutral.										

To compose the reference, select one option of each column. Example: **PVPA 024 400**

Operating diagram

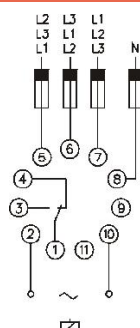


Adjustment buttons

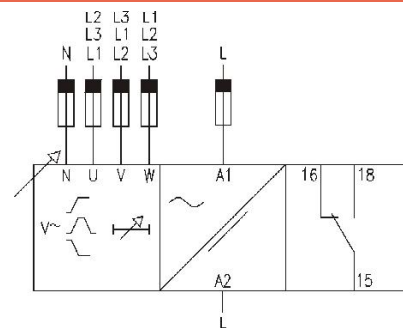


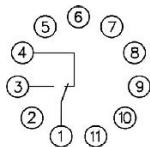
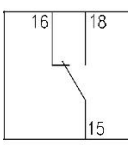
Connection diagram

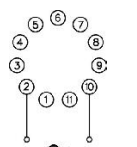
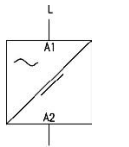
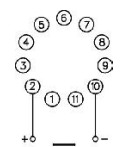
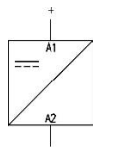
PVPA



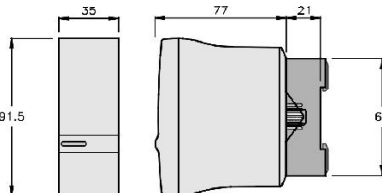
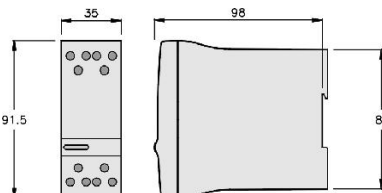
DVPA



			PVPA	DVPA
Output relays				
	Resistive load	AC	10 A / 250 V	10 A / 250 V
		DC	0,4 A / 200 V	0,4 A / 200 V
	Inductive load	AC	10 A / 24 V	10 A / 24 V
		DC	5 A / 250 V	5 A / 250 V
		AC	5 A / 24 V	5 A / 24 V
		DC	5 A / 24 V	5 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

			CA	CACC
Supply			 	 
	Galvanic isolation		Yes	No
	Frequency		50 / 60 Hz	-
	Operating margins		±10% -15%	±10%
	Positive		-	Terminal 2
	Protected polarity		-	Si

			PVPA	DVPA
Constructive and environmental data	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		Cyclopy - Light grey	Cyclopy - 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		Nickel-plated 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	

			PVPA	DVPA
Dimensions				

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