DISIBEINT

PVMA
DVMA
SVMA

VOLTAGE RELAY

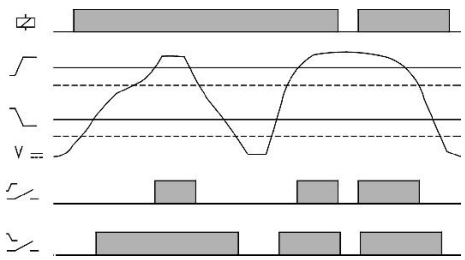
Difference	Two independent set points. It controls its own supply voltage.
Measurement	DC single phase
Operating principle	When the voltage exceeds the minimum pre-set value, the minimum (“⎽⎺“) relay operates. When the voltage exceeds the maximum pre-set value, the maximum (“⎺⎽“) relay operates. Each relay releases when the voltage goes 1 % below of its pre-set value.
Leds indication	Power on: Green Relays on: Red
Relays	It is provided with two relays, each one related two each set point.
Regulation	25% over the nominal voltage.
Hysteresis	1%. fixed
Timing	No timing

Referencia

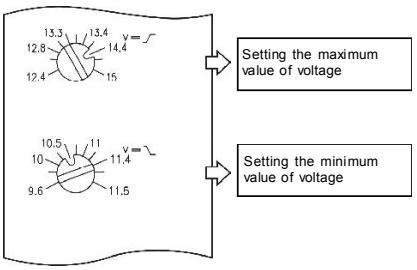
HOUSTING		FUNCTION		OUTPUT		VOLTAGE	MINIMUM	MAXIMUM
P	Plug in	V M	Voltage relay	A	SPDT	712	9..11,76 VDC	12,24..15 VDC
D	DIN rail					724	18..23,52 VDC	24,48..30 VDC
S	Flush mounting					748	36..47,04 VDC	48,96..60 VDC
						110	82,5..107,8 VDC	112,2..137,5 VDC
						125	93,75..122,5 VDC	127,5..156,25 VDC

To compose the reference, select one option of each column. Example: **PVMA 724**

Operating diagram

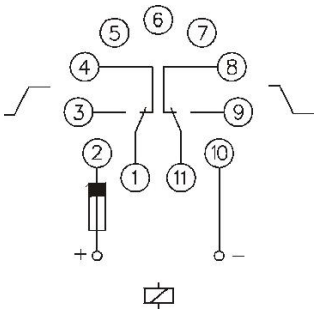


Adjustment buttons

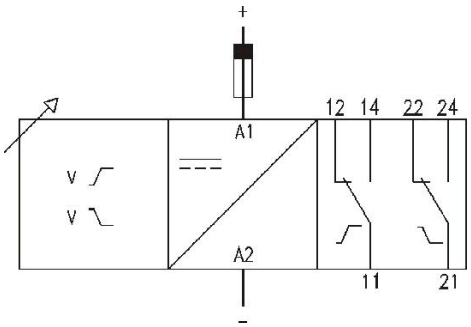


Connection diagram

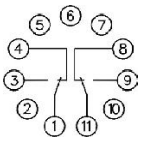
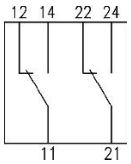
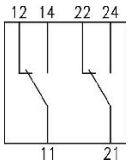
PVMA



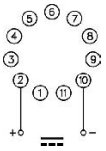
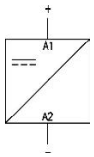
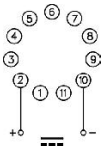
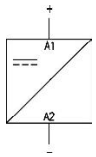
DVMA - SVMA



Output relays

		PVMA	DVMA	SVMA
				
Resistive load	AC	10 A / 250 V	10 A / 250 V	10 A / 250 V
Resistive load	DC	0,4 A / 200 V 10 A / 24 V	0,4 A / 200 V 10 A / 24 V	0,4 A / 200 V 10 A / 24 V
Inductive load	AC	5 A / 250 V	5 A / 250 V	5 A / 250 V
Inductive load	DC	5 A / 24 V	5 A / 24 V	5 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

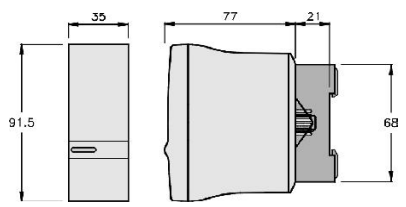
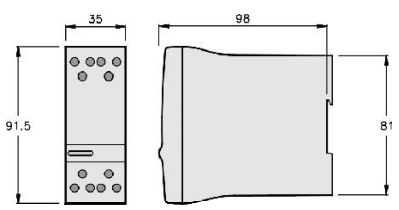
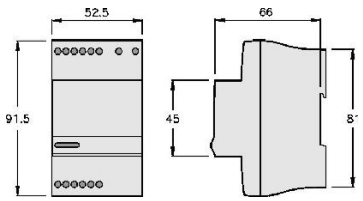
Supply

	12 - 24 - 48 VDC		110 - 125 VDC	
	PVMA	DVMA -SVMA	PVMA	DVMA -SVMA
				
Galvanic isolation	No		Yes	
Frequency	-		-	
Operating margins	± 10%		-	
Positive	Terminal 2	Terminal A1	Terminal 2	Terminal A1
Protected polarity	Yes		Yes	

Constructive and anviromental data

	PVMA	DVMA	SVMA
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	-50ºC +85ºC	-50ºC +85ºC	-50ºC +85ºC
Operating temperature	-20ºC +50ºC	-20ºC +50ºC	-20ºC +50ºC
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	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

PVMA	DVMA	SVMA
		

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