DISIBEINT

PVIA / PVIB
DVIA / DVIB
SVIA / SVIB

VOLTAGE RELAY

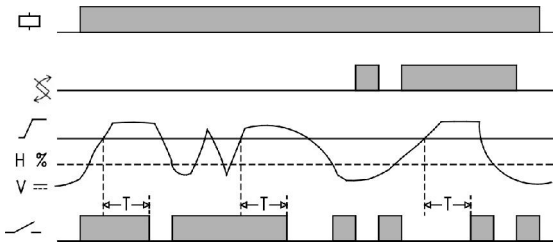
Difference	Relay for maximum or minimum voltage. Control of a secondary voltage.
Measurement	DC voltage
Operating principle	**Maximum voltage -** Selector in "⌜ " oposition. When the supply voltage is connected, if the measure voltage is less than the pre-set one, the relay operates. When the measure voltage exceeds the pre-set value, the relay releases after the time adjusted in the time control, and remains so until the voltage goes below the value pre-set in the hysteresis control. When the supply voltage is connected, if the measure voltage is greater the pre-set one, the relay operates and remains so for a time equal than the one pre-set in the time control. **Minimum voltage -** Selector in "⌞ " position. When the supply voltage is connected, if the measure voltage is greater than the pre-set one, the relay operates. When the measure voltage goes below the value pre-set in the hysteresis control, the relay releases after the time pre-set in the time contol, and remains so until the voltage exceeds the pre-set value. When the supply voltage is connected, if the measure voltage is less than the value pre-set in the hysteresis control, the relay operates and remains so for a time equal than the one pre-set in the time control. If while this time is running the measure voltage exceeds the pre-set value, the relay remains operated.
Relay Inversion	By linking the terminals 6-7 (PVIA/B) or Y1-Y3 (DVIA/B), the relay reverses the contacts position.
Leds indication	Power on: Green Relays on: Red
Hysteresis	Adjustable between 3 and 30%
Timing	Delay on detection adjustable from 0 to 30 Sec.

Reference

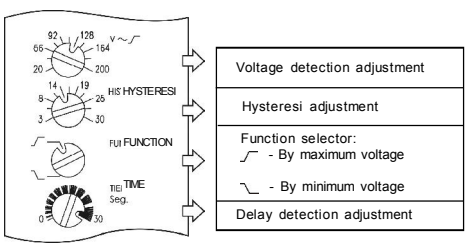
HOUSING		FUNCTION		OUTPUT		VOLTAGE		RANGES		
									RANGE	Vmax.
P	Plug in	V I	Voltage relay	A	1 NANC	024	24 VAC			
D	DIN rail			B	2 NANC	110	110..125 VAC	4V	0,4..4 VDC	50 VDC
S	Flush mounting					230	220..240 VAC	20V	2..20 VDC	100 VDC
						400	380..415 VAC	50V	5..50 VDC	200 VDC
						440	440 VAC	200	20..200 VDC	350 VDC
						901	15..70 VAC/DC	500	50..500 VDC	500 VDC
						902	60..240 VAC/DC			

To compose the reference, select one option of each column. Example: **PVIA 024 50V**

Operating diagram

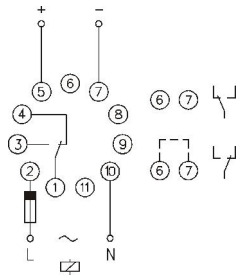


Adjustment buttons

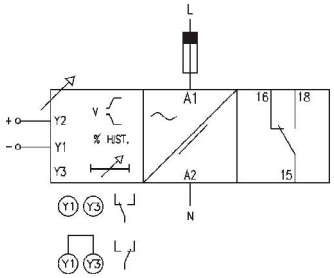


Connection diagram

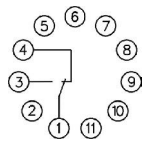
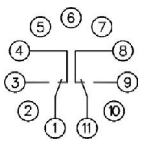
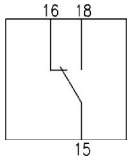
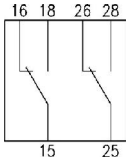
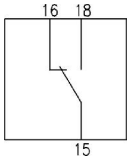
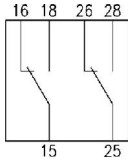
PVIA / PVIB



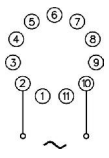
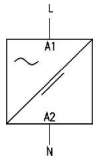
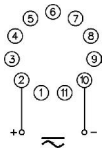
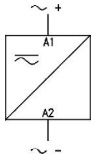
DVIA / DVIB - SVIA / SVIB



Output relays

		PVIA	PVIB	DVIA	DVIB	SVIA	SVIB
							
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	

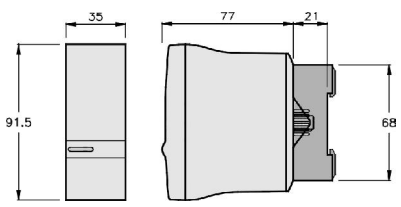
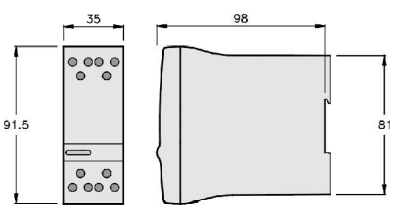
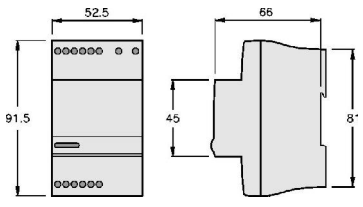
Supply

	AC		ACDC	
	PVIA / PVIB	DVIA/B - SVIA/B	PVIA / PVIB	DVIA/B - SVIA/B
				
Galvanic isolation	Yes		No	
Frequency	50 / 60 Hz		-	
Operating margins	±10% -15%		± 10%	
Positive	-		Terminal 2	Terminal A1
Protected polarity	-		Yes	

Constructive and anviromental data

	PVIA / PVIB	DVIA / DVIB	SVIA / SVIB
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

PVIA / PVIB	DVIA / DVIB	SVIA / SVIB
		

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