DISIBEINT

PTAG
DTAG

ASSYMETRICAL RECYCLER TIMER. EXTERNAL CONTROL

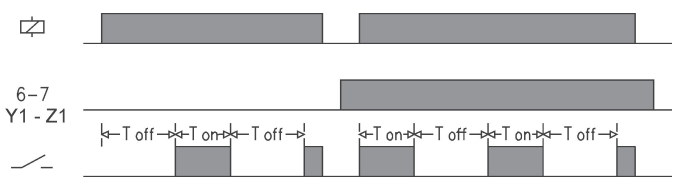
Function	Assymetrical recycler
Difference	Multirange - Remote potentiometers
Operating principle	**OFF-ON:** When the supply voltage is connected, the time circuit pre-set on the OFF control starts up. After this time, the relay operate and stays in this state for the time pre-set on the ON control. The cycle repeats itself non-stop. **ON-OFF:** When the supply voltage is connected, the relay operates inmediately and the time circuit pre-set on the ON control starts up. After this time, the relay releases and stays in this state for the time pre-set on the OFF control. The cycle repeats itself non-stop.
Output contact	1 SPDT (10A/250V resistive load; 5A/250V inductive load)
Supply voltage	AC: mode A - DC: modes C and D (See catalogue PR)
Leds indicating	Power on - Relay on
Characteristics	Repeating precision ± 1% - Precision ± 2%
Reset	By disconnectingthe supply for longer than 60 ms.
Connection of the remote potentiometers	Value of the potentiometers: 100 Kohms. The connection cable must be shielded with the screen connected to the electric ground and, optionally, will be also connected to terminal negative (7: PTAG; Z1: DTAG). It is recommended that the wiring of the potentiometers be the shortest possible and don't go along beside other power lines.

Reference

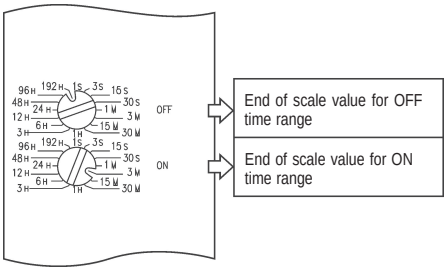
HOUSING		FUNCTION		OUTPUT		SUPPLY		RANGE		
P	Plug-in	**TA**	Pumps control	**G**	SPDT	**U24**	24 VAC/DC	**192**	0,1..1 S	6..60 M
D	DIN Rail					**724**	24 VDC		0,3..3 S	18..180 M
						024	24 VAC		1,5..15 S	0,6..6 H
						110	110..125 VAC		3..30 S	2,4..24 H
						230	220..240 VAC		6..60 S	4,8..48 H
						400	380..415 VAC		18..180 S	9,6..96 H
						901	15..70 VAC/DC		1,5..15 M	19,2..192 H
						902	60..240 VAC/DC		3..30 M	
									Selection by rotary switch	

To compose the reference, select one option of each column. Example: **PTAG 110 192**

Function diagram

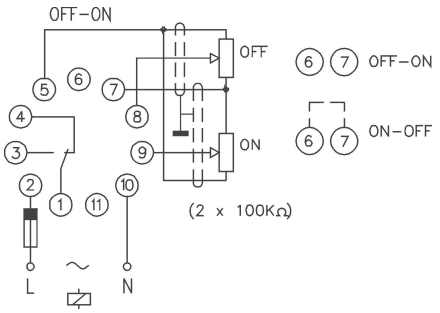


Adjustment buttons

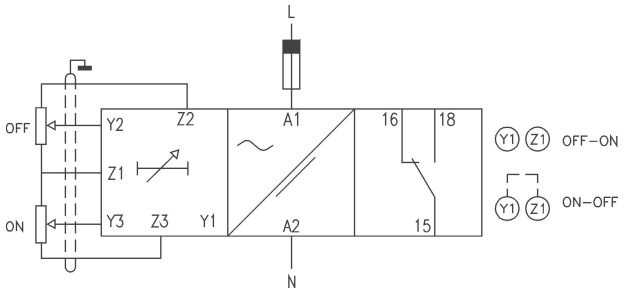


Connection diagram

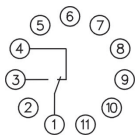
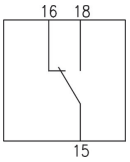
PTAG



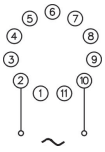
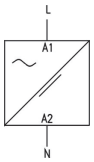
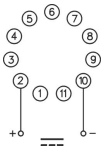
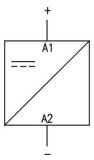
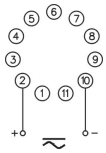
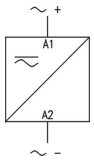
DTAG



Output relays

		PTAG	DTAG
			
Resistive load	AC	10A / 250 V	10A / 250 V
	DC	0,4 A / 200 V 10 A / 24 V	0,4 A / 200 V 10 A / 24 V
Inductive load	AC	10 A / 250 V	10 A / 250 V
	DC	0,4 A / 200 V 10 A / 24 V	0,4 A / 200 V 10 A / 24 V
Mechanical life		> 30 x 10^6 operations	> 30 x 10^6 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		> 10^4 MΩ	> 10^4 MΩ

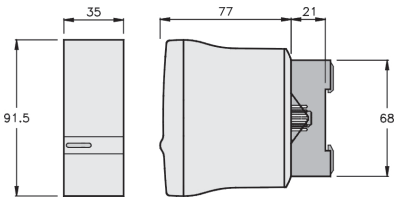
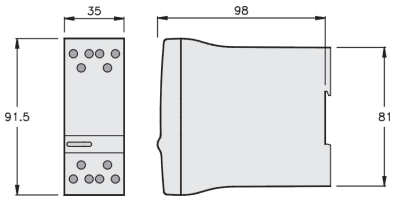
Supply

	AC		DC		ACDC	
	PTAG	DTAG	PTAG	DTAG	PTAG	DTAG
						
Galvanic isolation	No		No		9XX: Yes	UXX: No
Consumption	1,6 VA		1,2 W		1,6 W	1,7 W
Frequency	50/60 Hz		-		-	
Operating margins	± 15%		± 10%		-	
Positive	-		Terminal 2	Terminal A1	Terminal 2	Terminal A1
Protected polarity	-		Yes		Yes	

Constructive and anviromental data

	PTAG	DTAG
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	-50ºC..+85ºC	-50ºC..+85ºC
Operating temperature	-20ºC..+50ºC	-20ºC..+50ºC
Humidity	30..85% HR	30..85% HR
Housing	Cycoloy - Light grey	Cycoloy - 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	Nickled 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	

Dimensions

PTAG	DTAG
	

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