



EAN code

SJR-2/230V: 8595188116015

SJR-2/UNI: 8595188117401

### Technical parameters

### SJR-2

#### Power supply

Supply terminals:	A1 - A2
Voltage range:	AC/DC 12 - 240 V (AC 50-60 Hz)
Power input (max.):	2.5 VA/1.5 W
Voltage range:	AC 230 V (50-60 Hz)
Power input (max.):	4 VA/2 W
Supply voltage tolerance:	-15 %; +10 %
Supply indication:	green LED

#### Function

Time ranges:	0.1 s - 10 days
Time setting:	rotary switch and potentiometer
Time deviation:	5 % - mechanical setting
Repeat accuracy:	0.2 % - set value stability
Temperature coefficient:	0.01 %/°C, at = 20 °C (0.01 %/°F, at = 68 °F)

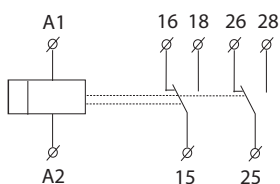
#### Output

Number of contacts:	2x changeover/DPDT (AgNi)
Current rating:	16 A/AC1
Breaking capacity:	4000 VA/AC1, 384 W/DC
Inrush current:	30 A/< 3 s
Switching voltage:	250 V AC/24 V DC
Max. power dissipation:	2.4 W
Output indication:	multifunction red LED
Mechanical life:	10.000.000 ops.
Electrical life (AC1):	100.000 ops.
Reset time:	max. 150 ms

#### Other information

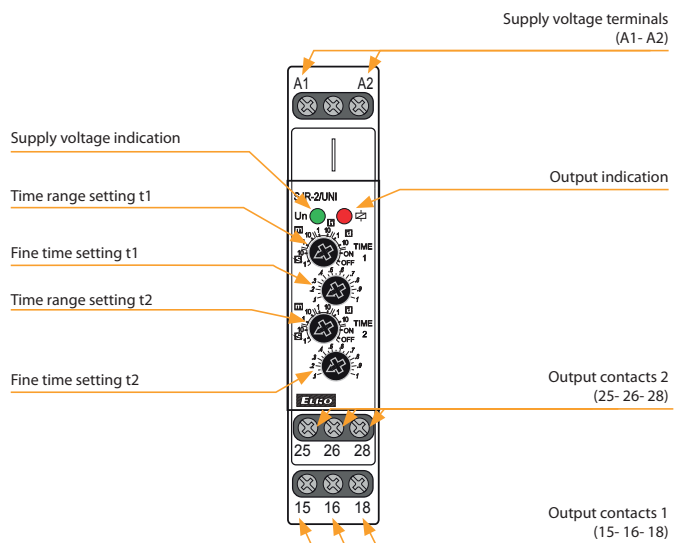
Operating temperature:	-20 °C to 55 °C (-4 °F to 131 °F)	
Storage temperature:	-30 °C to 70 °C (-22 °F to 158 °F)	
Dielectric strength:	supply - output 1	4 kV AC
	supply - output 2	4 kV AC
	output 1 - output 2	4 kV AC
Operating position:	any	
Mounting:	DIN rail EN 60715	
Protection degree:	IP40 from front panel/IP20 terminals	
Oversoltage category:	III.	
Pollution degree:	2	
Max. cable size (mm <sup>2</sup> ):	solid wire max. 1x 2.5 or 2x1.5/ with sleeve max. 1x 2.5 (AWG 12)	
Dimensions:	90 x 17.6 x 64 mm (3.5" x 0.7" x 2.5")	
Weight:	UNI - 78 g (2.8 oz.), 230 - 75 g (2.6 oz.)	
Standards:	EN 61812-1	

#### Symbol

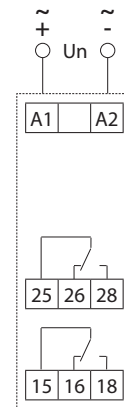


- For gradual switching of high power, prevents current strokes in the main.
- Double stage ON DELAY.
- Time scale 0.1 s - 10 days divided into 10 ranges:  
0.1 s - 1 s/1 s - 10 s/0.1 min - 1 min/1 min - 10 min/0.1 hrs - 1 h/1 h - 10 hrs/0.1 day - 1 day/1 day - 10 days/only ON/only OFF.
- Times t1 and t2 are independantly adjustable.
- Time range setting via rotary switch.
- Voltage range: AC 230 V or AC/DC 12 - 240 V.
- Output contact: 2 x changeover/DPDT 16 A.
- Multifunction red LED flashes or shines depending on the operating status.

### Description

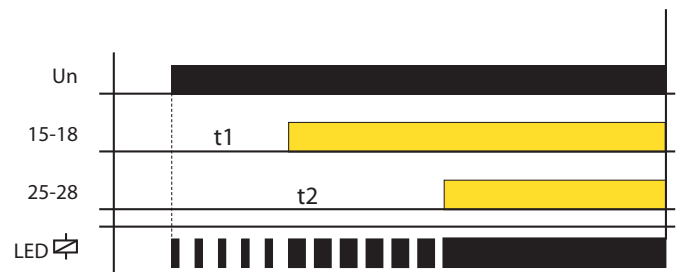


### Connection



### Function

#### 2x ON DELAY





EAN code  
 PTRM-216TP/UNI: 8595188179386  
 PTRM-216KP/UNI: 8595188178617

Technical parameters	PTRM-216TP	PTRM-216KP
<b>Power supply</b>		
Power pins:	2, 10	
Voltage range:	AC/DC 12 - 240 V (AC 50-60 Hz)	
Power input (max.):	2.5 VA/1.5 W	
Supply voltage tolerance:	±10 %	
Supply indication:	green LED	
<b>Time circuit</b>		
Number of functions:	10	
Time ranges:	50 ms - 30 days	
Time setting:	rotary switch and potentiometer	
Time deviation:*	5 % - mechanical setting	
Repeat accuracy:	0.2 % - set value stability	
Temperature coefficient:	0.01 %/°C, at = 20 °C (0.01 %/°F, at = 68 °F)	
<b>Output</b>		
Number of contacts:	2x changeover/SPDT (AgNi)	
Current rating:	16 A/AC1	
Breaking capacity:	4000 VA/AC1, 384 W/DC	
Switching voltage:	250 V AC/24 V DC	
Max. power dissipation:	2.4 W	
Output indication:	multifunction red LED	
Mechanical life:	10.000.000 ops.	
Electrical life (AC1):	100.000 ops.	
<b>Control</b>		
Control pins:	5 (2) - 6	
Impulse length:	min. 25 ms/max. unlimited	
Reset time:	max. 150 ms	
<b>Other information</b>		
Operating temperature:	-20 °C to +55 °C (-4 °F to 131 °F)	
Storage temperature:	-30 °C to +70 °C (-22 °F to 158 °F)	
Dielectric strength:		
supply - output 1 (1, 3, 4)	2.5 kV AC	
supply - output 2 (8, 9, 11)	2.5 kV AC	
output 1 - output 2	2.5 kV AC	
Operating position:	any	
Mounting:	11 pin octal socket	
Protection degree:	IP40 from front panel	
Overvoltage category:		
for supply voltage 12-150 V AC/DC	III.	
for supply voltage 150-240 V AC/DC	II.	
Pollution degree:	2	
Dimensions:	48x48x79mm (1.7" x1.7" x3.1")	48x48x89mm (1.7" x1.7" x3.5")
Weight:	111 g (3.9 oz.)	108 g (3.81 oz.)
Standards:	EN 61812-1	

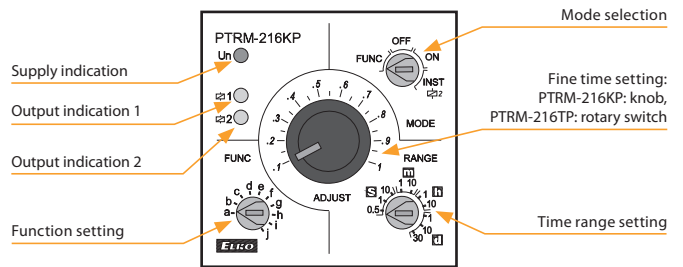
\* for adjustable delay <100 ms, a time deviation of ± 10 ms applies

**Function**

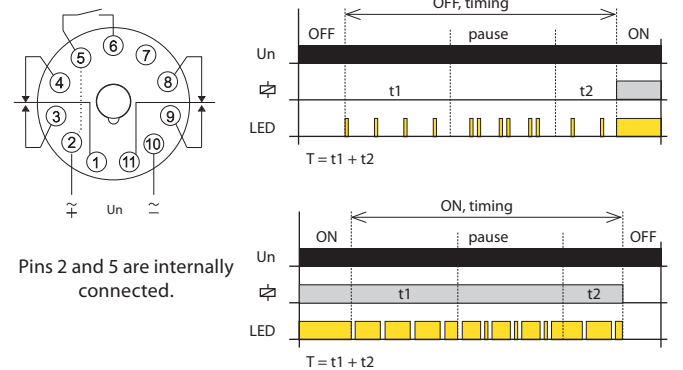
For a description of the functions on page 21.

- Multifunction time relay for universal use in automation, control and regulation or in house installations.
- Possibility to select the control element for fine time setting:  
**PTRM-216KP** - knob, for easy handling without the need for tools  
**PTRM-216TP** - rotary switch, for the possibility of using a sealable cover.
- All functions initiated by the supply voltage, except for the flasher function, can use the control input to inhibit the delay (pause).
- Mode selection - according to the set function, permanently closed, permanently open, and switching of the second output contact according to the supply voltage.
- Multifunction red LED flashes or shines depending on the operating status.

**Description**

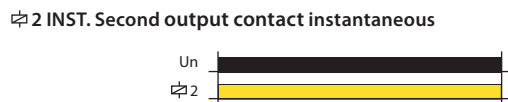
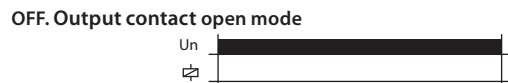


**Connection**      **Indication of operating states**



**Mode selection**

**FUNC. Settings function mode**  
 The desired function a-j is set with the FUNC rotary switch.



The second output contact switches according to the supply voltage. The first output contact switches according to the function (a-j) set by the trimmer FUNC.