

EAN code PTRM-216TP/UNI: 8595188176033 PTRM-216KP/UNI: 8595188176026

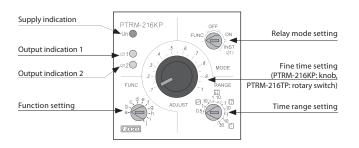
Power pins:2, 10Voltage range:AC/DC 12 - 240V (AC 50 - 60Hz)Power input (max.):2.5 VA / 1.5 WSupply voltage tolerance:-15 %; +10 %Supply indication:green LEDTime circuit10Number of functions:10Time ranges:50 ms - 30 daysTime setting:rotary switch and potentiometerTime deviation:5 % - mechanical settingRepeat accuracy:0.2 % - set value stabilityOutput0.10 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F)Output0.10 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F)Output16 A / AC1Breaking capacity:4000 VA / AC1, 384 W / DCSwitching voltage:250V AC / 24V DCMax. power dissipation:2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 operationsElectrical life (AC1):70 000 operationsControl5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (Technical parameters	PTRM-216TP	PTRM-216KP
AC/DC 12 - 240V (AC 50 - 60Hz) Power input (max.): 2.5 VA / 1.5 W Supply voltage tolerance: -15 %; +10 % Supply indication: green LED Time circuit 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) Output 10 Number of contacts 2x changeover / SPDT (AgNi) Current rating: 16 A / AC1 Breaking capacity: 4000 VA / AC1, 384 W / DC Switching voltage: 250V AC / 24V DC Switching voltage: 2.4 W Output indication: multifunction red LED Mechanical life: 10 000 000 operations Electrical life (AC1): 70 000 operations Control 5 (2) - 6 Impulse length: max. 150 ms Reset time: -30 °C to +55 °C (-4 °F to 131 °F) Storage temperature: -30 °C to +55 °C (-4 °F to 131 °F) </th <th>Power supply</th> <th></th> <th></th>	Power supply		
Power input (max.): 2.5 VA / 1.5 W Supply voltage tolerance: -15 %; +10 % Supply indication: green LED Time circuit 10 Number of functions: 10 Time ranges: 50 ms - 30 days 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 2x changeover / SPDT (AgNi) Current rating: 16 A / AC1 Breaking capacity: 4000 VA / AC1, 384 W / DC Switching voltage: 250V AC / 24V DC Max. power dissipation: 2.4 W Output indication: multifunction red LED Mechanical life: 10 000 000 operations Electrical life (AC1): 70 000 operations Control 5 (2) - 6 Impulse length: max. 150 ms Reset time: max. 150 ms Operating temperature: -20 °C to +55 °C (-4 °F to 131 °F) Storage temperature: -30 °C to +70 °C (-22 °F to 158 °F) Dielectrical strength: suppl	Power pins:	2, 10	
Control myper queue) -15 %; +10 % Supply indication: green LED Time circuit 10 Number of functions: 10 Time arges: 50 ms - 30 days 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 0.01 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F) Output 0.01 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F) Output 0.01 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F) Output 0.01 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F) Output 0.01 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F) Output 0.01 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F) Supply output setting: 2x changeover / SPDT (AgNi) Current rating: 16 A / AC1 Breaking capacity: 4000 VA / AC1, 384 W / DC Switching voltage: 250V AC / 24V DC Max. power dissipation: 2.4 W Output indication: multifunction red LED Mechanical life: 10 000 000 operations Electri	Voltage range:	AC/DC 12 – 240V (AC 50 – 60Hz)	
Supply indication: green LED Time circuit 10 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) Output 2x changeover / SPDT (AgNi) Current rating: 16 A / AC1 Breaking capacity: 4000 VA / AC1, 384 W / DC Switching voltage: 250V AC / 24V DC Max. power dissipation: 2.4 W Output indication: multifunction red LED Mechanical life: 10 000 000 operations Electrical life (AC1): 70 000 operations Control 5 (2) - 6 Impulse length: min. 25 ms / max. unlimited Reset time: -20 °C to +55 °C (-4 °F to 131 °F) Storage temperature: -20 °C to +70 °C (-22 °F to 158 °F) Dielectrical strength: supply - output 1 (1, 3, 4) supply - output 2 (8, 9, 11) 4 kV AC supp	Power input (max.):	2.5 VA / 1.5 W	
Time circuitNumber of functions:10Time ranges:50 ms - 30 daysTime setting:rotary switch and potentiometerTime deviation:5 % - mechanical settingRepeat accuracy:0.2 % - set value stabilityTemperature coefficient: $0.01 \% / ^{\circ}C$, at = 20 °C ($0.01 \% / ^{\circ}F$, at = 68 °F)Output0utputNumber of contacts2x changeover / SPDT (AgNi)Current rating:16 A / AC1Breaking capacity:4000 VA / AC1, 384 W / DCSwitching voltage:250V AC / 24V DCMax. power dissipation:2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 operationsElectrical life (AC1):70 000 operationsControl5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time: $-20 ^{\circ}C$ to $+55 ^{\circ}C$ ($-4 ^{\circ}F$ to $131 ^{\circ}F$)Storage temperature: $-20 ^{\circ}C$ to $+55 ^{\circ}C$ ($-4 ^{\circ}F$ to $131 ^{\circ}F$)Storage temperature: $-20 ^{\circ}C$ to $+55 ^{\circ}C$ ($-4 ^{\circ}F$ to $131 ^{\circ}F$)Storage temperature: $-20 ^{\circ}C$ to $+55 ^{\circ}C$ ($-4 ^{\circ}F$ to $131 ^{\circ}F$)Storage temperature: $-20 ^{\circ}C$ to $+55 ^{\circ}C$ ($-4 ^{\circ}F$ to $131 ^{\circ}F$)Storage temperature: $-20 ^{\circ}C$ to $+55 ^{\circ}C$ ($-4 ^{\circ}F$ to $131 ^{\circ}F$)Storage temperature: $-20 ^{\circ}C$ to $+55 ^{\circ}C$ ($-4 ^{\circ}F$ to $131 ^{\circ}F$)Storage temperature: $-20 ^{\circ}C$ to $+55 ^{\circ}C$ ($-4 ^{\circ}F$ to $131 ^{\circ}F$)Storage temperature: $-20 ^{\circ}C$ to $+55 ^{\circ}C$ ($-4 ^{\circ}F$ to $131 ^{\circ}F$)Supply - output 1 (1,	Supply voltage tolerance:	-15 %; +10 %	
Number of functions:10Time ranges:50 ms - 30 daysTime setting:rotary switch and potentiometerTime deviation:5 % - mechanical settingRepeat accuracy:0.2 % - set value stabilityTemperature coefficient:0.01 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F)OutputNumber of contacts2x changeover / SPDT (AgNi)Current rating:16 A / AC1Breaking capacity:4000 VA / AC1, 384 W / DCSwitching voltage:250V AC / 24V DCMax. power dissipation:2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 operationsElectrical life (AC1):70 000 operationsControl5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:-4 kV ACsupply - output 1 (1, 3, 4) </td <td>Supply indication:</td> <td colspan="2">green LED</td>	Supply indication:	green LED	
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: 0.10 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F) Output 0.01 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F) Output 16 A / AC1 Breaking capacity: 4000 VA / AC1, 384 W / DC Switching voltage: 250V AC / 24V DC Max. power dissipation: 2.4 W Output indication: multifunction red LED Mechanical life: 10 000 000 operations Electrical life (AC1): 70 000 operations Control 5 (2) - 6 Impulse length: min. 25 ms / max. unlimited Reset time: max. 150 ms Operating temperature: -20 °C to +55 °C (-4 °F to 131 °F) Storage temperature: -30 °C to +70 °C (-22 °F to 158 °F) Dielectrical strength: supply - output 1 (1, 3, 4) supply - output 2 (8, 9, 11) 4 kV AC output 1 - output 2 4 kV AC output 1 - output 2 4 kV AC	Time circuit		
Time setting:rotary switch and potentiometerTime deviation:5 % - mechanical settingRepeat accuracy:0.2 % - set value stabilityTemperature coefficient:0.01 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F)OutputNumber of contacts2x changeover / SPDT (AgNi)Current rating:16 A / AC1Breaking capacity:4000 VA / AC1, 384 W / DCSwitching voltage:250V AC / 24V DCMax. power dissipation:2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 operationsElectrical life (AC1):70 000 operationsControl5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther information-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 1 (1, 3, 4)supply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 2anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Number of functions:	10	
Time deviation:5 % - mechanical settingRepeat accuracy: 0.2 % - set value stabilityTemperature coefficient: 0.01 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F)OutputNumber of contacts $2x$ changeover / SPDT (AgNii)Current rating: 16 A / AC1Breaking capacity: 4000 VA / AC1, 384 W / DCSwitching voltage: $250V$ AC / 24V DCMax. power dissipation: 2.4 WOutput indication:multifunction red LEDMechanical life: 10000 000 operationsElectrical life (AC1): 70000 operationsControlControl pins:S (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationOperating temperature:supply - output 1 (1, 3, 4)4 kV ACsupply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 2 4 kV ACOperating position:anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Time ranges:	50 ms - 30 days	
Repeat accuracy: 0.2% - set value stabilityTemperature coefficient: $0.01\%/°C$, at = $20°C$ ($0.01\%/°F$, at = $68°F$)OutputNumber of contacts $2x$ changeover / SPDT (AgNi)Current rating: $16 A / AC1$ Breaking capacity: $4000 VA / AC1$, $384 W / DC$ Switching voltage: $250V AC / 24V DC$ Max. power dissipation: $2.4W$ Output indication:multifunction red LEDMechanical life: $10\ 000\ 000\ operations$ Electrical life (AC1): $70\ 000\ operations$ Control $5\ (2) - 6$ Impulse length:min. $25\ ms/$ max. unlimitedReset time: $max. 150\ ms$ Other information $-20°C\ to\ +55°C\ (-4°F\ to\ 131°F)$ Storage temperature: $-20°C\ to\ +55°C\ (-4°F\ to\ 131°F)$ Storage temperature: $-30°C\ to\ +70°C\ (-22°F\ to\ 158°F)$ Dielectrical strength: $4\ kV\ AC$ supply - output 1 (1, 3, 4) $4\ kV\ AC$ output 1 - output 2 $4\ kV\ AC$ output 1 - output 2 $4\ kV\ AC$ Operating position:anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Time setting:	rotary switch and potentiometer	
Temperature coefficient: $0.01 \% / ^{\circ}C$, at = $20 ^{\circ}C (0.01 \% / ^{\circ}F$, at = $68 ^{\circ}F$)OutputNumber of contacts $2x changeover / SPDT (AgNi)$ Current rating: $16 A / AC1$ Breaking capacity: $4000 VA / AC1, 384 W / DC$ Switching voltage: $250V AC / 24V DC$ Max. power dissipation: $2.4 W$ Output indication:multifunction red LEDMechanical life: $10 000 000$ operationsElectrical life (AC1): $70 000$ operationsControl $5 (2) - 6$ Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther information $-20 ^{\circ}C$ to $+55 ^{\circ}C (-4 ^{\circ}F$ to $131 ^{\circ}F)$ Storage temperature: $-20 ^{\circ}C$ to $+70 ^{\circ}C (-22 ^{\circ}F$ to $158 ^{\circ}F)$ Dielectrical strength: $xupply - output 1 (1, 3, 4)$ 4 kV AC supply - output 2 (8, 9, 11) 4 kV AC output 1 - output 2 4 kV AC Operating position:anyMounting: $11 \text{ pin octal socket}$	Time deviation:	5 % - mechanical setting	
OutputNumber of contacts2x changeover / SPDT (AgNi)Current rating:16 A / AC1Breaking capacity:4000 VA / AC1, 384 W / DCSwitching voltage:250V AC / 24V DCMax. power dissipation:2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 operationsElectrical life (AC1):70 000 operationsControl5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther information-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Supply - output 1 (1, 3, 4)4 kV ACsupply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 24 kV ACOperating position:anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Repeat accuracy:	0.2 % - set value stability	
Number of contacts2x changeover / SPDT (AgNi)Current rating:16 A / AC1Breaking capacity:4000 VA / AC1, 384 W / DCSwitching voltage:250V AC / 24V DCMax. power dissipation:2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 operationsElectrical life (AC1):70 000 operationsControl5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther information-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:4 kV ACsupply - output 1 (1, 3, 4)4 kV ACsupply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 2anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Temperature coefficient:	0.01 % / °C, at = 20 °C (0.01 % / °F, at = 68 °F)	
Current rating:16 A / AC1Breaking capacity:4000 VA / AC1, 384 W / DCSwitching voltage:250V AC / 24V DCMax. power dissipation:2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 operationsElectrical life (AC1):70 000 operationsControl70 000 operationsControl pins:5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther information-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Dielectrical strength:supply - output 1 (1, 3, 4)supply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 24 kV ACOperating position:anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Output		
Breaking capacity:4000 VA / AC1, 384 W / DCBreaking capacity:4000 VA / AC1, 384 W / DCSwitching voltage:250V AC / 24V DCMax. power dissipation:2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 operationsElectrical life (AC1):70 000 operationsControl70 000 operationsControl pins:5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther information-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 1 (1, 3, 4)supply - output 2 (8, 9, 11)4 kV ACsupply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 2anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Number of contacts	2x changeover / SPDT (AgNi)	
Switching voltage:250V AC / 24V DCMax. power dissipation:2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 operationsElectrical life (AC1):70 000 operationsControlControl pins:5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationOperating temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 1 (1, 3, 4)supply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 24 kV ACOperating position:anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Current rating:	16 A / AC1	
Max. power dissipation:2.4 WOutput indication:multifunction red LEDMechanical life:10 000 000 operationsElectrical life (AC1):70 000 operationsControl70 000 operationsControl5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther information-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Dielectrical strength:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:4 kV ACsupply - output 1 (1, 3, 4)4 kV ACoutput 1 - output 24 kV ACOperating position:anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Breaking capacity:	4000 VA / AC1, 384 W / DC	
Nume porter dissipation:multifunction red LEDOutput indication:multifunction red LEDMechanical life:10 000 000 operationsElectrical life (AC1):70 000 operationsControlTo 000 operationsControl pins:5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationTo 0°C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +55 °C (-4 °F to 131 °F)Dielectrical strength:supply - output 1 (1, 3, 4)supply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 24 kV ACOperating position:anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Switching voltage:	250V AC / 24V DC	
Mechanical life:10 000 000 operationsElectrical life (AC1):70 000 operationsControl70 000 operationsControl pins:5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther information-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-20 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 1 (1, 3, 4)supply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 24 kV ACOperating position:anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Max. power dissipation:	2.4 W	
Electrical life (AC1):70 000 operationsControlControl pins:5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther information-20 °C to +55 °C (-4 °F to 131 °F)Operating temperature:-20 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:4 kV ACsupply - output 1 (1, 3, 4)4 kV ACoutput 1 - output 2 (8, 9, 11)4 kV ACOperating position:anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Output indication:	multifunction red LED	
ControlControl pins:5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationOperating temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 1 (1, 3, 4)4 kV ACsupply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 2anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Mechanical life:	10 000 000 operations	
Control pins:5 (2) - 6Impulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther informationOperating temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 1 (1, 3, 4)supply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 24 kV ACOperating position:anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Electrical life (AC1):	70 000 operations	
Impulse length:min. 25 ms / max. unlimitedImpulse length:min. 25 ms / max. unlimitedReset time:max. 150 msOther information	Control		
Reset time:max. 150 msOther informationmax. 150 msOperating temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:	Control pins:	5 (2) - 6	
Other informationOperating temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:	Impulse length:	min. 25 ms / max. unlimited	
Operating temperature:-20 °C to +55 °C (-4 °F to 131 °F)Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 1 (1, 3, 4)4 kV ACsupply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 24 kV ACOperating position:anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Reset time:	max. 150 ms	
Storage temperature:-30 °C to +70 °C (-22 °F to 158 °F)Dielectrical strength:supply - output 1 (1, 3, 4)4 kV ACsupply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 24 kV ACOperating position:anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Other information		
Dielectrical strength:supply - output 1 (1, 3, 4)supply - output 2 (8, 9, 11)output 1 - output 2output 1 - output 2Operating position:anyMounting:Protection degree:IP40 from front panelOvervoltage category:	Operating temperature:	-20 °C to +55 °C (-4 °F to 131 °F)	
supply - output 1 (1, 3, 4)4 kV ACsupply - output 2 (8, 9, 11)4 kV ACoutput 1 - output 24 kV ACOperating position:anyMounting:11 pin octal socketProtection degree:IP40 from front panelOvervoltage category:III.	Storage temperature:	-30 °C to +70 °C (-22 °F to 158 °F)	
supply output 1 (1), (1) and (1) supply - output 2 (8, 9, 11) 4 kV AC output 1 - output 2 4 kV AC Operating position: any Mounting: 11 pin octal socket Protection degree: IP40 from front panel Overvoltage category: III.	Dielectrical strength:		
output 1 - output 2 4 kV AC Operating position: any Mounting: 11 pin octal socket Protection degree: IP40 from front panel Overvoltage category: III.	supply - output 1 (1, 3, 4)	4 kV AC	
Operating position: any Mounting: 11 pin octal socket Protection degree: IP40 from front panel Overvoltage category: III.	supply - output 2 (8, 9, 11)	4 kV AC	
Mounting: 11 pin octal socket Protection degree: IP40 from front panel Overvoltage category: III.	output 1 - output 2	4 kV AC	
Protection degree: IP40 from front panel Overvoltage category: III.	Operating position:	any	
Overvoltage category: III.	Mounting:	11 pin octal socket	
orentonage earcegory.	Protection degree:	IP40 from front panel	
	Overvoltage category:	III.	
Pollution degree: 2	Pollution degree:	2	
Dimensions: 48x48x79mm (1.7x1.7x3.1inch) 48x48x89mm (1.7x1.7x3.5inch)	Dimensions:		
Weight: 107 g (3.77 oz) 108 g (3.81 oz)	Weight:	107 g (3.77 oz)	108 g (3.81 oz)

Function

For a description of the functions on page 29.

- Multi-function 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).
- Relay mode selection according to the set function, permanently closed, permanently open, and switching of the second relay according to the supply voltage.
- Universal supply voltage AC/DC 12 240 V.
- Time scale 50 ms 30 days divided into 10 ranges: (50 ms 0.5 s / 0.1 s - 1 s / 1 s - 10 s / 0.1 min - 1 min / 1 min - 10 min / 0.1 hr - 1 hrs / 1 hrs -10 hrs / 0.1 days - 1 day / 1 day - 10 days / 3 days - 30 days).
- Output contact: 2x changeover / SPDT 16 A.
- Multifunction red LED flashes or shines depending on the operating status.

Description

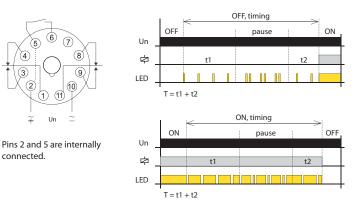


Connection

4

connected.

Indication of operating states



Relay mode selection

FUNC. Settings function mode

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

OFF. Relay open mode



ON. Relay closed mode

Un 侼

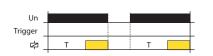
2 INST. Second relay instantaneous



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

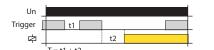


a. ON DELAY



When the supply voltage is applied, the time delay T begins. When the timing is complete, the relay closes and this condition continues until the supply voltage is disconnected.

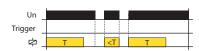
ON DELAY with Inhibit



If the control contact is closed and the supply voltage is connected, the relay is opened and timing does not start until the control contact opens.

When the timing is complete, the relay closes. If the control contact is closed during timing, the timing is interrupted and continues only after the control contact opens.

b. INTERVAL ON



After supply voltage relay closes and starts the delay time T. After the end of the timing relay opens and this state lasts until the supply voltage is disconnected.

INTERVAL ON with Inhibit



If the control contact is closed and the supply voltage is connected, the relay will close and the timing will start only after the control contact has been opened.

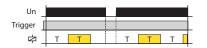
When the timing is complete, the relay opens. If the control contact is closed during timing, the timing is interrupted and continues only after the control contact opens.

c. FLASHER - ON first



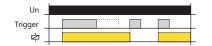
After supply voltage relay closes and starts the delay time T. After the end of the timing relay opens and again runs delay time T. When the timing is complete, the relay closes again and the sequence is repeated until the supply voltage is disconnected. If the control contact is closed during timing, this does not affect the operation of the cycler.

FLASHER - OFF first



If the control contact is closed during timing; this does not aff ect the operation of the cycler. If the control contact is closed and the supply voltage is connected, the cycler starts with a pause (relay open).

d MEMORY LATCH



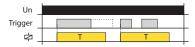
When the supply voltage is applied, the relay is open. When the control contact is closed, the relay closes. The status does not change when the control contact is opened. When the control contact is closed again, the relay opens. Each time the control contact is closed, the relay changes status.

e. OFF DELAY



When the supply voltage is applied, the relay is open. When the control contact is closed, the relay closes. When the control contact opens, the time delay T begins. If the control contact is closed during timing, the time is reset and the relay remains closed. When the control contact opens, the time delay T starts again and opens when the relay closes.

f. SINGLE SHOT



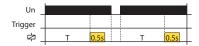
When the supply voltage is applied, the relay is open. When the control contact is closed, the relay closes and the time delay T begins. Closing the control contact during timing is ignored.

g. WATCHDOG



When the supply voltage is applied, the relay is open. When the control contact is closed, the relay closes and the time delay T begins. Closing the control contact during timing triggers a new time delay T - the relay closing time is thus increased.

h. PULSE GENERATOR 0.5s



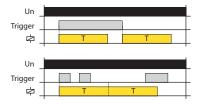
After the supply voltage has been applied, the time delay T begins.

PULSE GENERATOR 0.5s with Inhibit



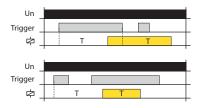
After supply voltage starts the time delay T. By closing timing of the control contact during timing is suspended. When the control contact opens, the time interval is completed and the relay closes for a fixed time (0.5s).

i. INTERVAL ON / OFF



When the supply voltage is applied, the relay is open. When the control contact is closed, the relay closes and the time delay T begins. When the control contact is opened, the relay closes and the time delay T begins. If the control contact is open during timing, the relay remains closed for 2T. When the timing is complete, the relay opens. Any other change of control contact status during timing is ignored.

j. ON / OFF DELAY



When the supply voltage is applied, the relay is open. If control contact is closed, time delay T starts. When the control contact is opened, a new time delay T begins. If the control contact is open during timing, the relay closes at the end of the timing and opens the relay after the new time delay. Any other change of control contact status during timing is ignored.