





REX

- ◆ IC Timer
- ◆ Digital Counter
- ◆ Temperature Controller



Temperature Controller **RT-5** **DIN48mmx48mm**

Model	RT-501	RT-505	RT-555	RT-535
Setting method	knob	3-digital push switch	3-digital push switch	non setting
Indication mode	no indication	no indication	3-LED digital display	3-LED digital display
Temperature range	100, 200, 400, 600°C	99.9, 199, 399, 599, 999°C	99.9, 199, 399, 599, 999°C	399, 999°C
Appearance				
Dimensions	50.5mmW x 50.5mmH x 101mmL (87mm behind panel), panel cut out : 45.5mmW x 45.5mmH			
Mounting socket	flush mounting : P3G-08, surface mounting : PF083A (see page 6)			

Temperature Controller **RT-4** **DIN48mmx96mm**

Model	RT-486	RT-488	RT-434
Setting method	3-digital push switch	3-digital push switch	non setting
Indication mode	deviation meter	3-LED digital display	3-LED digital display
Temperature range	199, 399°C	199, 399°C	199, 399°C
Appearance			
Dimensions	48mmW x 96mmH x 128.5mmL (110mm behind panel), panel cut out : 45mmW x 89mmH		

Characteristics

Setting accuracy	< ± 1.0% of range span
Analog indication accuracy	< ± 1.5% of range span
Digital indication accuracy	< ± 1.5% of range span + 1 digit
On/Off differential	2.5°C (set point ± 1.25°C)
Proportioning bandwidth	10°C (set point ± 5°C)
Proportioning cycle	15 seconds
Sensor broken protection	control output off





Specifications





Rated voltage	K,J,R sensor : 50/60Hz 110-120/220-240VAC PT100 3W RTD : 50/60Hz 110-120, 220-240VAC
Sensor input	K(CA), J(IC), R(PR), PT100 3W
Control mode	On/Off control, Proportioning control
Output mode	Relay, 0 - 12VDC, 4 - 20mADC
Relay contact	1C 5A 250VAC resistive
Alarm output	Relay (1C 5A 250VAC resistive), Optional
Power consumption	< 5VA
Insulation resistance	> 20MΩ (500VDC tester)
Dielectric strength	60Hz 1500VAC 1-min.
Ambient temperature	operating : -10°C to 55°C storage : -25°C to 65°C
Ambient humidity	45% to 85% RH
Enclosure	front panel-IP50, body-IP40, terminal-IP00

***RT-5 : alarm function is not available**

To order, Specify

- Model
- Rated voltage
- Temperature range
- Sensor input
- Control mode
- Output mode
- Others, if any

Model	RT-601B	RT-601	RT-602	RT-603
Setting method	knob	knob	knob	knob
Indication mode	no indication	no indication	deviation meter	full indication meter
Temperature range	100, 200, 400, 600°C	100, 200, 400, 600°C	200, 400°C	100, 200, 400°C
Appearance				
Dimensions	72mmW x 72mmH x 125.5mmL (110mm behind panel), panel cut out : 67mmW x 67mmH			

Model	RT-607	RT-606	RT-608	RT-636
Setting method	knob	3-digital push switch	3-digital push switch	non setting
Indication mode	4-LED digital display	deviation meter	4-LED digital display	4-LED digital display
Temperature range	100, 200, 400, 600°C	199, 399°C	99.9, 199, 399, 799, 999°C	399, 999°C
Appearance				
Dimensions	72mmW x 72mmH x 125.5mmL (110mm behind panel), panel cut out : 67mmW x 67mmH			

Characteristics





Setting accuracy	< ± 1.0% of range span
Analog indication accuracy	< ± 1.5% of range span
Digital indication accuracy	< ± 1.5% of range span + 1 digit
On/Off differential	2.5°C (set point ± 1.25°C)
Proportioning bandwidth	10°C (set point ± 5°C)
Proportioning cycle	15 seconds
Sensor broken protection	control output off





To order, Specify

- Model
- Rated voltage
- Temperature range
- Sensor input
- Control mode
- Output mode
- Others, if any

Specifications

Rated voltage	50/60Hz 110-120/220-240VAC
Sensor input	K(CA), J(IC), R(PR), PT100 3W
Control mode	On/Off control, Proportioning control
Output mode	Relay, 0 - 12VDC, 4 - 20mADC
Relay contact	1C 5A 250VAC resistive
Alarm output	Relay (1C 5A 250VAC resistive), Optional
Power consumption	< 5VA
Insulation resistance	> 20MΩ (500VDC tester)
Dielectric strength	60Hz 1500VAC 1-min.
Ambient temperature	operating : -10°C to 55°C storage : -25°C to 65°C
Ambient humidity	45% to 85% RH
Enclosure	front panel-IP50, body-IP40, terminal-IP00

Model	RT-901	RT-902	RT-903	RT-907
Setting method	knob	knob	knob	knob
Indication mode	no indication	deviation meter	full indication meter	4-LED digital display
Temperature range	100, 200, 400, 600, 1200°C	200, 400°C	200, 400°C	100, 200, 400°C
Appearance				
Dimensions	with dust cover 96mmW x 96mmH x 128mmL (106mm behind panel), panel cut out : 91mmW x 91mmH			

Model	RT-907A	RT-906	RT-908	RT-939
Setting method	knob	3-digital push switch	3-digital push switch	non setting
Indication mode	4-LED digital display	deviation meter	4-LED digital display	4-LED digital display
Temperature range	400°C	99.9, 199, 399, 599, 999°C	99.9, 199, 399, 599, 999°C	399, 599, 999°C
Appearance				
Dimensions	T80 for 80°C ambient	with dust cover 96mmW x 96mmH x 128mmL (106mm behind panel), panel cut out : 91mmW x 91mmH		

Characteristics





Specifications



Setting accuracy	< ± 1.0% of range span
Analog indication accuracy	< ± 1.5% of range span
Digital indication accuracy	< ± 1.5% of range span + 1 digit
On/Off differential	2.5°C (set point ± 1.25°C)
Proportioning bandwidth	10°C (set point ± 5°C)
Proportioning cycle	15 seconds
Sensor broken protection	control output off

Rated voltage	50/60Hz 110-120/220-240VAC
Sensor input	K(CA), J(IC), R(PR), PT100 3W
Control mode	On/Off control, Proportioning control
Output mode	Relay, 0 - 12VDC, 4 - 20mADC
Relay contact	1C 5A 250VAC resistive
Alarm output	Relay (1C 5A 250VAC resistive), Optional
Power consumption	< 5VA
Insulation resistance	> 20MΩ (500VDC tester)
Dielectric strength	60Hz 1500VAC 1-min.
Ambient temperature	operating : -10°C to 55°C storage : -25°C to 65°C
Ambient humidity	45% to 85% RH
Enclosure	front panel-IP50, body-IP40, terminal-IP00

To order, Specify

- Model
- Rated voltage
- Temperature range
- Sensor input
- Control mode
- Output mode
- Others, if any

Model	RT-701	RT-702	RT-703	RT-727
Setting method	knob	knob	knob	knob
Indication mode	no indication	deviation meter	full indication meter	4-LED digital display
Temperature range	100, 200, 400, 600°C	200, 400°C	200, 400°C	100, 200, 400°C
Appearance				
Dimensions	96mmW x 96mmH x 150.5mmL (124mm behind panel), panel cut out : 89mmW x 89mmH			

Model	RT-706	RT-747	RT-748	RT-737
Setting method	3-digital push switch	3-digital push switch	dual 3-digital push switch	non setting
Indication mode	deviation meter	4-LED digital display	4-LED digital display	4-LED digital display
Temperature range	99.9, 199, 399, 599°C	99.9, 199, 399, 599°C	99.9, 199, 399, 599°C	399, 599, 999°C
Appearance				
Dimensions	96mmW x 96mmH x 150.5mmL (124mm behind panel), panel cut out : 89mmW x 89mmH			

Characteristics

Setting accuracy	< ± 1.0% of range span
Analog indication accuracy	< ± 1.5% of range span
Digital indication accuracy	< ± 1.5% of range span + 1 digit
On/Off differential	2.5°C (set point ± 1.25°C)
Proportioning bandwidth	10°C (set point ± 5°C)
Proportioning cycle	15 seconds
Sensor broken protection	control output off

To order, Specify

- Model
- Rated voltage
- Temperature range
- Sensor input
- Control mode
- Output mode
- Others, if any


Specifications

Rated voltage	K,J,R sensor : 50/60Hz 110-120/220-240VAC PT100 3W RTD : 50/60Hz 110-120, 220-240VAC
Sensor input	K(CA), J(IC), R(PR), PT100 3W
Control mode	On/Off control, Proportioning control
Output mode	Relay, 0 - 12VDC, 4 - 20mADC
Relay contact	1C 5A 250VAC resistive
Alarm output	Relay (1C 5A 250VAC resistive), Optional
Power consumption	< 5VA
Insulation resistance	> 20MΩ (500VDC tester)
Dielectric strength	60Hz 1500VAC 1-min.
Ambient temperature	operating : -10°C to 55°C storage : -25°C to 65°C
Ambient humidity	45% to 85% RH
Enclosure	front panel-IP50, body-IP40, terminal-IP00

IC Timer






Description	Relay timer		General purpose timer		
Model	H3Y-□	RH3A-□	RH3A-Y□	RSTP-N□	RSTP-Y□
Mounting method	surface mount		flush mount	surface mount	flush mount
Appearance					
Panel cut out mm	22W x 29H x 51L mm	40W x 50H x 58L mm	47W x 70H x 58L mm 41W x 51H (hole pitch60)	49W x 61H x 93L mm	58W x 88H x 93L mm 51W x 63H (hole pitch76)
Rated voltage	110, 220, 240VAC ; 12,24VDC				
Output mode	delay [2] : 2C, [4] : 4C		[A] type : instant 1C and delay 1C, [B] type : delay 2C, [C] type : delay 1C		
Time range	1,3,6,10,30,60 sec, min		sec. : 1,3,6,10,12,30,60, min. : 3,6,10,12,30,60, hr. : 3,6,10,24,30		
Mounting socket	[2] : PYF08A [4] : PYF14A	PF085A	US-08 / P3G-08	8PFA	US-08 / P3G-08





Description	Multi-range timer		Flicker timer	Y-Δ starter timer	
Model	RJ3M-M□	RJ3M-YM□	RH3A-CF	RSHD-D	RSDT-ND
Mounting method	surface mount		surface mount	surface mount	surface mount
Appearance					
Panel cut out mm	40W x 50H x 58L mm	47W x 70H x 58L mm 41W x 51H (hole pitch60)	40W x 50H x 58L mm	40W x 50H x 58L mm	49W x 61H x 93L mm
Rated voltage	110, 220, 240VAC ; 12,24VDC			220, 240, 380,440VAC	
Output mode	A type or B type selectable at DIP sw.		C type : delay 1C	instant. 1A and delay 1C	
Time range	[A], [B], [C], [D], [E], [F] (see p.6 Multi range code)		sec. : 1,3,6,10,30,60	sec. : 30, 60	
Mounting socket	PF085A	US-08 / P3G-08	PF085A	PF085A	8PFA

Description	Multi-range timer		Twin timer		Off delay timer
Model	RJTP-N□	RJTP-Y□	RTDV-NC	RTDV-YC	RTRF-NB
Mounting method	surface mount		surface mount	flush mount	surface mount
Appearance					
Panel cut out mm	49W x 61H x 93L mm	58W x 88H x 93L mm 51W x 63H (hole pitch76)	49W x 61H x 93L mm	58W x 88H x 93L mm 51W x 63H (hole pitch76)	49W x 61H x 101L mm
Rated voltage	110, 220, 240VAC ; 12,24VDC				
Output mode	A type or B type selectable at DIP sw.		C type : delay 1C		B type : delay 2C
Time range	[A], [B], [C], [D], [E], [F] (see p.6 Multi range code)		6s/6s, 6s/60s, 60s/6s, 60s/60s 6m/6m, 6m/60m, 60m/6m, 60m/60m others : max. 12hrs, to order		sec. : 1,3,6,12,30,60 min. : 3,6,12,30
Mounting socket	8PFA	US-08 / P3G-08	8PFA	US-08 / P3G-08	8PFA

★ Apply REX-40 flush mount adaptor to the devices of dimension 40W x 50H x 58L mm for flush mount (see page 6).

Digital Timer - Digital Counter - Others

Description	Digital timer		Digital counter		Adaptor
Model	RH□D-NM	RH□D-YM	RH□C-NC	RH□C-YC	REX-40
Mounting method	surface mount	flush mount	surface mount	surface mount	flush mount
Appearance					
Panel cut out mm	-	51W x 63H (hole pitch76)	-	51W x 63H (hole pitch76)	43.5Wx53.5H mm
Rated voltage	110, 220, 240VAC ; 12,24VDC				
Output mode	A type or B type selectable at DIP sw.		1C (SPDT) relay contact		Applying to timers of 40Wx50Hx58Lmm for flush mount
Specification	[2] : 9.9/99 sec./min. selectable at DIP sw.		[1] : 1-digit, [2] : 2-digit, [3] : 3-digit		
	[2] : 9.9/99 hr. selectable at DIP sw.		counting speed 20/160CPS selectable		
	[3] : 99.9/999 sec./min. selectable at DIP sw.				
Mounting socket	8PFA	P3G-08 / US-08	8PFA	P3G-08 / US-08	

Description	Power controller	Phase reversal relay	Floatless switch	
Model	PU-N/NA	RPR-M1	RHFS-□	RSFS-□
Mounting method	surface mount	surface mount	surface mount	surface mount
Appearance				
Panel cut out mm	-	-	-	-
Rated voltage	110,220VAC	3Φ 220, 380, 440VAC	110, 220VAC	
Output mode	12VDC 100mADC+1C	1C (SPDT)	1C (SPDT)	
Specification	input signal : 2-12VDC NPN/PNP	3 phase reversal protection	[1] : common type [1H] : high impedance [1L] : low impedance	
Mounting socket	PF085A	PF085A	PF085A	8PFA

Specifications

Description	Analog	Digital setting	Twin setting
Output relay contact	5A 250VAC resistive		
Contact life	electrical : 10 ⁵ times, mechanical : 5 x 10 ⁶ times		
Repeat error	< ± 1% FS	< ± 0.05% FS	< ± 2% FS
Setting error	< ± 10% FS	0	< ± 20% FS
Voltage error	< ± 1% FS	< ± 0.05% FS	< ± 1.5% FS
Temperature error	< ± 2% FS	< ± 0.05% FS	< ± 2% FS
Reset time	< 0.1 sec.	< 0.1 sec.	< 0.2 sec.
Power consumption	< 2VA	< 3VA	< 2VA
Ambient temperature	operating : -10 to 55°C, storage : -25 to 65°C		
Ambient humidity	45% to 85% RH		

Output mode

A type	instantaneous 1C (SPDT) and delay 1C (SPDT)
B type	delay 2C (SPDT)
C type	delay 1C (SPDT)

Multi range code

A	1sec./10sec./1min./10min. selectable at DIP sw.
B	3sec./30sec./3min./30min. selectable at DIP sw.
C	6sec./60sec./6min./60min. selectable at DIP sw.
D	1min./10min./1hr./10hr. selectable at DIP sw.
E	3min./30min./3hr./30hr. selectable at DIP sw.
F	6min./60min./6hr./60hr. selectable at DIP sw.

The background features a warm, orange-to-red gradient. On the right side, there is a faint, semi-transparent grid pattern resembling a globe. Scattered across the scene are several analog clock faces, some in sharp focus and others blurred, creating a sense of motion and time. The word "REX" is printed in a bold, sans-serif font at the bottom left.

REX