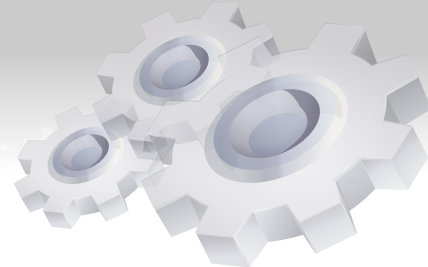




**Advanced appearance, precise structure and well performance on terminals.
 Innovation for substitutes of traditional analog or thumb switch types controller.**

- ❶ Built-In Micro-process CPU
- ❷ On-Off / PD control mode for option
- ❸ No mechanical faulty by panel setting
- ❹ 6 kinds of alarm mode and standby mode for option
- ❺ Precise accuracy on deviation by LED lights
- ❻ Protection on loop broken

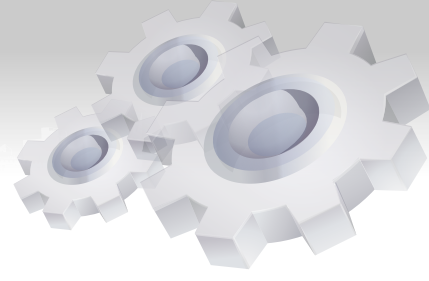


MC-3831

8-Digital setting

MODEL	MC-3430	MC-3730	MC-3830
APPEARANCE			
SIZE	48 mm x 48 mm	72 mm x 72 mm	96 mm x 96 mm
ACCURACY	0.3% F.S.		
INPUT	K , J, R, PT100Ω		
SUPPLY VOLTAGE	AC 85~265V 50/60 Hz		

[illegible]



MODEL	MC-3401	MC-3701	MC-3711	MC-3731
APPEARANCE				
SIZE	48 mm x 48 mm	72 mm x 72 mm		
ACCURACY	0.3% F.S.			
CONTROL ACTION	PD, ON / OFF, Optimal			
INPUT	K , J, PT100Ω	K , J, R, PT100Ω		
OUTPUT	RELAY, SSR DRIVE DC 24V			
ALARM	None	RELAY		
TEMPERATURE RANGE	0~100℃, 0~200℃, 0~400℃, 0~600℃, 0~800℃, 0~1000℃			
SUPPLY VOLTAGE	AC 85~265V 50/60 Hz			
MODEL	MC-3801	MC-3811	MC-3831	
APPEARANCE				
SIZE	96 mm x 96 mm			
ACCURACY	0.3% F.S.			
CONTROL ACTION	PD, ON / OFF, Optimal			
INPUT	K , J, R, PT100Ω			
OUTPUT	RELAY, SSR DRIVE DC 24V			
ALARM	RELAY			
TEMPERATURE RANGE	0~100℃, 0~200℃, 0~400℃, 0~600℃, 0~800℃, 0~1000℃			
SUPPLY VOLTAGE	AC 85~265V 50/60 Hz			



Order Information

Indicating Only

MC - **3 4 3 0** - **K**
 A **B**

A. Model:

MC-3430
 MC-3730
 MC-3830

B. Input:

K-K type
 J-J type
 R-R type
 P-PT100Ω

Analog Setting

MC - **3 8 3 1** - **2** **1** **K** **4** - **0** **X °C** **X °C**
 A **B** **C** **D** **E** **F** **G** **H**

A. Model:

3401-Non-indicating
 3701-Non-indicating
 3711-Deviation indicating with LED
 3731-Full indicating with digit
 3801-Non-indicating
 3811-Deviation indicating with LED
 3831-Full indicating with digit

B. Control Action:

1-ON / OFF
 2-PD
 3-Optimal

C. Output:

1-Relay
 2-SSR Drive DC 24V

D. Input:

K-K type
 J-J type
 R-R type (except MC-3401)
 P-PT100Ω

E. Temperature Setting Range:

1-0~100 °C
 2-0~200 °C
 4-0~400 °C
 6-0~600 °C
 8-0~800 °C
 A-0~1000 °C

F. Alarm Mode:

0-No alarm
 1-Deviation high alarm
 2-Deviation low alarm
 3-Absolute high alarm
 4-Absolute low alarm
 5-Deviation high / low alarm
 6-Band alarm

A-Deviation high alarm + Inhibit
 B-Deviation low alarm + Inhibit
 C-Absolute high alarm + Inhibit
 D-Absolute low alarm + Inhibit
 E-Deviation high / low alarm + Inhibit
 F-Band alarm + Inhibit

G. Alarm High Limit Set Value

H. Alarm Low Limit Set Value

Digital Setting

MC - **3 5 3 8** - **2** **1** **P** **0** - **5** **10 °C** **3 °C** **1**
 A **B** **C** **D** **E** **F** **G** **H** **I**

A. Model:

MC-3408 (Non-indicating with PV)
 MC-3438
 MC-3518
 MC-3538
 MC-3718
 MC-3738
 MC-3818
 MC-3838

B. Control Action:

1-ON / OFF
 2-PD
 3-Optimal

C. Output:

1-Relay
 2-SSR Drive DC 24V

D. Input:

K-K type
 J-J type
 R-R type
 P-PT100Ω

E. Temperature Setting Range:

0- -99~99 °C (PT100Ω Only)
 1-0.0~99.9 °C 6-0~599 °C
 2-0~199 °C 7-0~699 °C
 3-0~299 °C 8-0~799 °C
 4-0~399 °C 9-0~899 °C
 5-0~499 °C A-0~999 °C

F. Alarm Mode:

0-No alarm
 1-Deviation high alarm
 2-Deviation low alarm
 3-Absolute high alarm
 4-Absolute low alarm
 5-Deviation high / low alarm
 6-Band alarm

A-Deviation high alarm + Inhibit
 B-Deviation low alarm + Inhibit
 C-Absolute high alarm + Inhibit
 D-Absolute low alarm + Inhibit
 E-Deviation high / low alarm + Inhibit
 F-Band alarm + Inhibit

G. Alarm High Limit Set Value

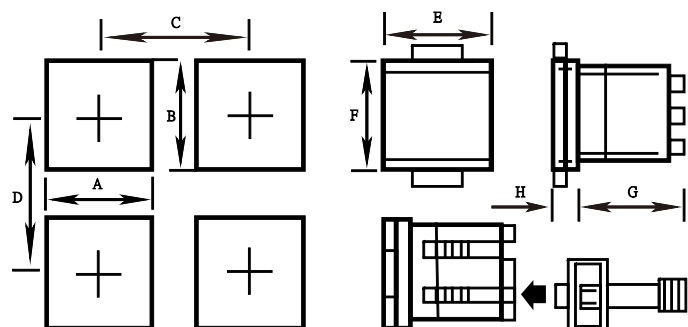
H. Alarm Low Limit Set Value

I. Power Function:

0-No function
 1-SV (On / Off)
 2-PV & SV (On / Off)



Dimensions



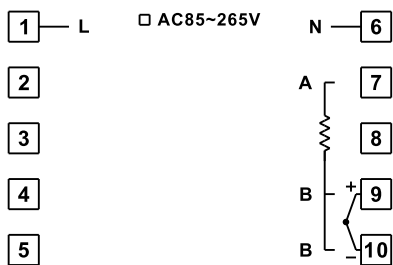
Unit : mm

Model	A	B	C	D	E	F	G	H
MC-3401	44.5 ^{+0.5} -0	44.5 ^{+0.5} -0	65	70	50	50	80	17
MC-3408								
MC-3430								
MC-3438								
MC-3518	44.5 ^{+0.5} -0	90.5 ^{+0.5} -0	65	116	50	96	80	17
MC-3538								
MC-3701	68.5 ^{+0.5} -0	68.5 ^{+0.5} -0	89	94	74	74	80	17
MC-3711								
MC-3718								
MC-3730								
MC-3731								
MC-3738	90.5	90.5	111	116	96	96	80	17
MC-3801								
MC-3811								
MC-3818								
MC-3830								
MC-3831								
MC-3838								

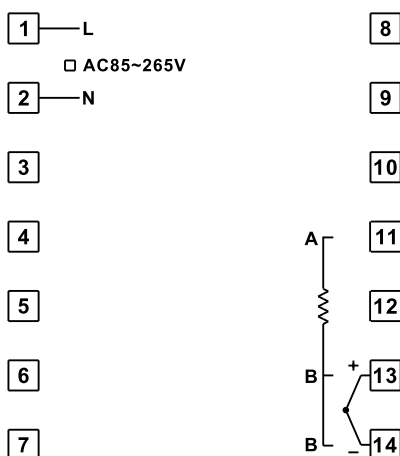


External Terminal

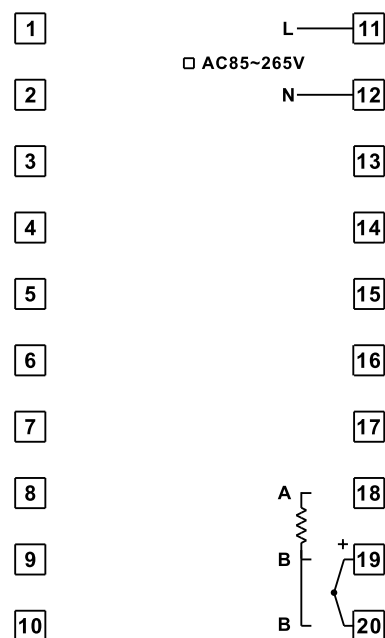
MC-3430:

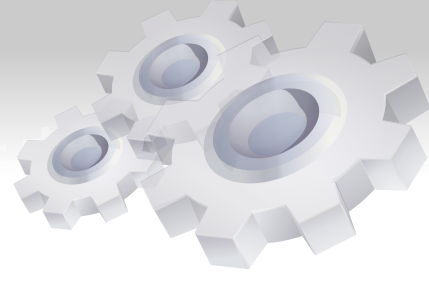


MC-3730:

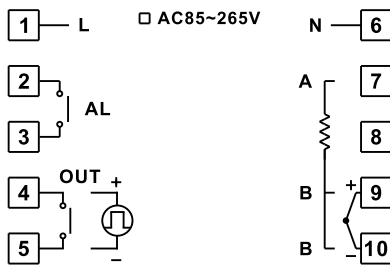


MC-3830:

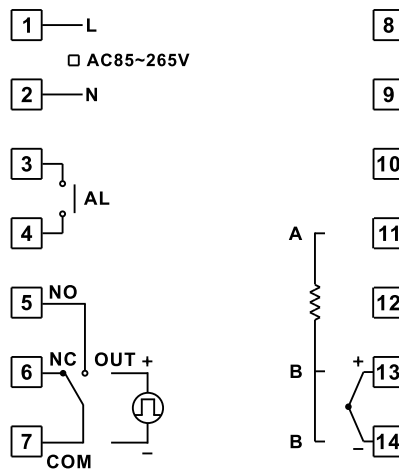




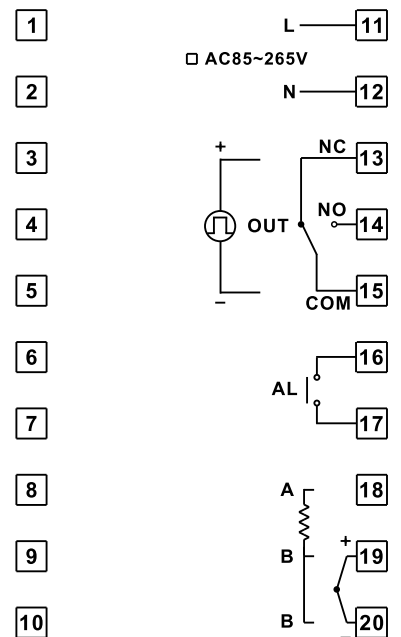
MC-3408,3438:



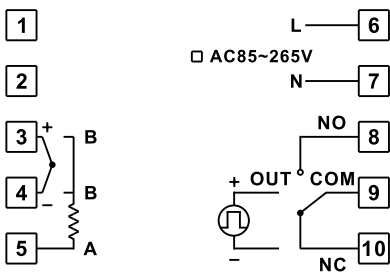
MC-3718,3738:



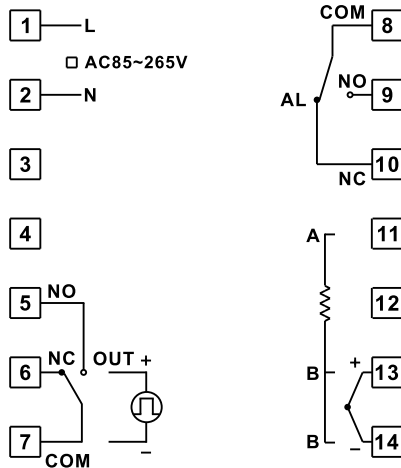
MC-3518,3538,3818,3838:



MC-3401:



MC-3701,3711,3731:



MC-3801,3811,3831:

