

## Rocker Switch R4 Series



勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

### SPECIFICATION

- Electrical Rating : 20A 125VAC/16A 250VAC(UL)  
 10A/15A/16A 250VAC(VDE)  
 10A 250VAC/15A 125VAC(UL)
- Mechanical life: Over 30000 cycles
- Electrical life: Over 10000 cycles
- Contact resistance: <20mΩ
- Insulation resistance: >1000MΩ
- High voltage resistance: >1500V 1 min.
- Ambient temperature: Terminal side -20 to +85°C  
 Actuating side -20 to +55°C
- Storage temperature: -30 to +80°C Max
- Atmospheric humidity: Max.85%
- Actuating force: 4~8N(depends on different switch function)
- Flammability: UL94 V-2
- Temperature rise at the terminal: Max 30°C (UL1054)
- Solder ability of terminal: Max 350°C, 3s

### MATERIALS

- Housing: Nylon 66
- Rocker: PC & PA66
- Contacts: Silver Alloy
- Terminal: Brass Silver Plated
- Lamp: Neon Lamp, Tungsten Lamp
- Spring: SWP, SUS
- Movable Arm: Brass Silver Plated

### HOW TO ORDER

| R4                                                                                                                                      | 1               | 5                                          | K                                                           | K                                                                                 | E                     | T             | O                                                                | F                                       | A |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------|---------------|------------------------------------------------------------------|-----------------------------------------|---|
| Series                                                                                                                                  | Switch Function | Rating                                     | Housing Color                                               | Actuator Color                                                                    | Marking               | Terminal Type | Lamp Voltage                                                     | Safety Approval                         |   |
| Series                                                                                                                                  |                 |                                            | G Gray<br>W White<br>K Black                                |                                                                                   | See option of marking |               | 0 Without Lamp<br>1 125V AC<br>2 250V AC<br>3 12 VDC<br>4 24 VDC |                                         |   |
| 1 ON-OFF<br>2 ON-ON<br>3 ON-OFF-ON<br>4 ON-(ON)<br>5 OFF-(ON)<br>6 (ON)-OFF-(ON)<br>7 ON-(OFF)<br>8 ON-OFF-(ON)<br>9 ON-OFF (With Lamp) |                 |                                            | G Gray<br>W White<br>K Black<br>O Orange<br>R Red<br>B Blue | Y Yellow(III.)<br>M Green(III.)<br>D Red(III.)<br>F Blue(III.)<br>T White Crystal |                       |               |                                                                  | F 4 Safety Approvals<br>E None Approval |   |
|                                                                                                                                         |                 | 2 10A 250VAC<br>5 16A 250VAC<br>20A 125VAC |                                                             |                                                                                   | Quick Connect Tab     |               |                                                                  |                                         |   |

R4/32/62/82  
 10A 250VAC  
 15A 125VAC(UL)

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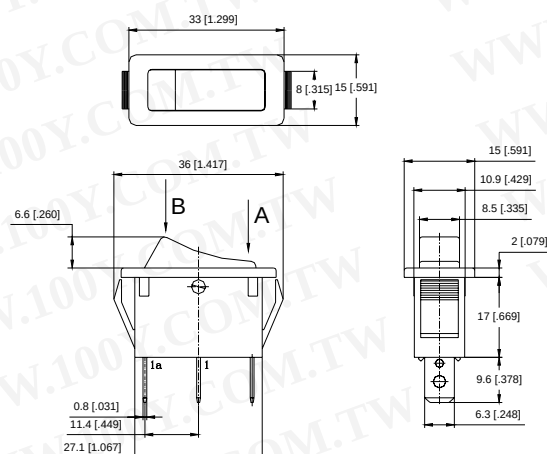
## Rocker Switch R4 Series



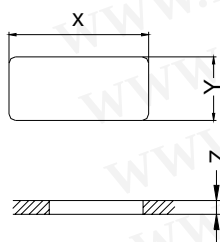
### Option of switch function

| Item NO | POLES & THROWS   | Rocker position ( ):Momentary |        |       |
|---------|------------------|-------------------------------|--------|-------|
|         |                  | Left                          | Center | Right |
| R41     | SPST             | ON                            | None   | OFF   |
| R42     | SPDT             | ON                            | None   | ON    |
| R43     | SPDT             | ON                            | OFF    | ON    |
| R44     | SPDT             | ON                            | None   | (ON)  |
| R45     | SPST             | OFF                           | None   | (ON)  |
| R46     | SPDT             | (ON)                          | OFF    | (ON)  |
| R47     | SPST             | ON                            | None   | (OFF) |
| R48     | SPDT             | ON                            | OFF    | (ON)  |
| R49     | SPST (WITH LAMP) | ON                            | None   | OFF   |

### Dimension



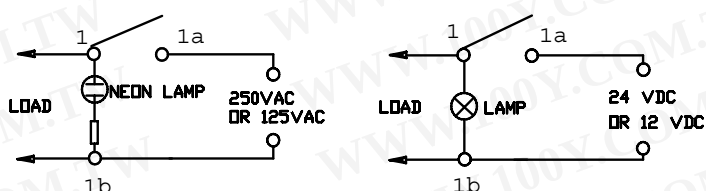
### Panel cut out



| Z         | Y           | X           |
|-----------|-------------|-------------|
| 0.70~1.25 | 11.10~11.20 | 29.60~29.70 |
| 1.25~2.00 | 11.10~11.20 | 30.10~30.20 |
| 2.00~3.00 | 11.10~11.20 | 30.45~30.55 |

### Circuits for switch with lamp

- For circuits of 250V AC or 125V AC
- For circuits of 24V DC or 12V DC



# Ordering Procedure List

## Rating List(一)

| R15A(RA)Series<br>Rocker Switch   | R19(R9)Series<br>Rocker Switch                       | R4 Series<br>Rocker Switch                          | R5 Series<br>Rocker Switch                          | R6 Series<br>Rocker Switch                            | R8 Series<br>Rocker Switch                            | RC Series<br>Rocker Switch                          | RAWP Series<br>Rocker Switch                        |
|-----------------------------------|------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| 0<br>2A 250V AC<br>(UL&VDE)       |                                                      |                                                     |                                                     |                                                       |                                                       |                                                     |                                                     |
| 2<br>6A 250V AC<br>(UL&VDE)       | 6A 250V AC<br>6A 125V AC (UL)<br>4(1)A 250V AC (VDE) | 10A 250VAC&15A<br>125VAC (UL)<br>16A 250VAC (VDE)   | 10A 250VAC&15A<br>125VAC (UL)<br>16A 250VAC (VDE)   | 6A 250V AC & 10A<br>125VAC (UL)<br>4(1)A 250VAC (VDE) | 6A 250V AC & 10A<br>125VAC (UL)<br>6(1)A 250VAC (VDE) | 6A 250V AC<br>(UL&VDE)                              |                                                     |
| 5<br>6A 250VAC<br>15A 125VAC (UL) | 12(4)A 250VAC (VDE)<br>12A 125VAC (UL)               | 16A 250VAC & 20A<br>125VAC (UL)<br>16A 250VAC (VDE) | 16A 250VAC & 20A<br>125VAC (UL)<br>16A 250VAC (VDE) |                                                       |                                                       | 10A 250VAC<br>15A 125VAC (UL)<br>10(4) 250VAC (VDE) | 10A 250VAC<br>15A 125VAC (UL)<br>10(4) 250VAC (VDE) |
| 8                                 | 16A 250VAC<br>21A 125VAC (UL)<br>16A 250VAC (VDE)    |                                                     |                                                     |                                                       |                                                       |                                                     |                                                     |
| 1                                 | Indicator                                            |                                                     | Indicator                                           |                                                       |                                                       |                                                     |                                                     |

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## Colour List(二)

|          | K<br>(Black)      | W<br>(White)      | R<br>(Red)      | G<br>(Gray)      | B<br>(Blue)             | O<br>(Orange)    | Y<br>(Yellow)           | M<br>(Green)           | V<br>(Violet) | C<br>(Coffee)      | S<br>(Argentine) |
|----------|-------------------|-------------------|-----------------|------------------|-------------------------|------------------|-------------------------|------------------------|---------------|--------------------|------------------|
| Color    | M<br>(Ill. Green) | T<br>(Ill. White) | D<br>(Ill. Red) | L<br>(Ill. Gray) | W<br>(ZnPland<br>white) | F<br>(Ill. Blue) | C<br>(ZnPland<br>white) | BK<br>(Black<br>& Red) | KH<br>(Khaki) | Y<br>(Ill. Yellow) |                  |
| Housing  |                   |                   |                 |                  |                         |                  |                         |                        |               |                    |                  |
| Actuator |                   |                   |                 |                  |                         |                  |                         |                        |               |                    |                  |

## Marking List(三)



## Lamp Voltage List(四)

| Code | Lamp voltage     |
|------|------------------|
| 0    | No lamp          |
| 1    | NEON lamp (125V) |
| 2    | NEON lamp (250V) |
| 3    | 12VDC            |
| 4    | 24VDC            |
| 5    | 48VDC            |
| 6    | 6VDC             |
| 7    | 3VDC             |
| 8    | 72VDC            |
| 9    | 4VDC             |
| A    | 36VDC            |
| L    | LED lamp         |

## Colour of Lamp List(六)

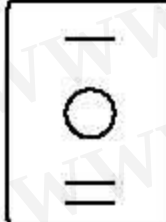
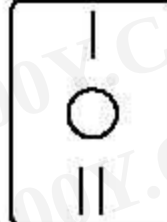
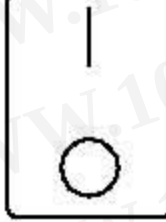
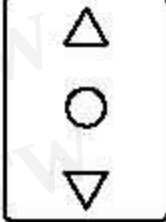
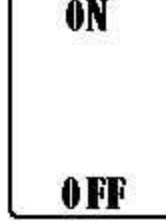
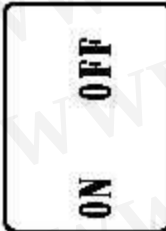
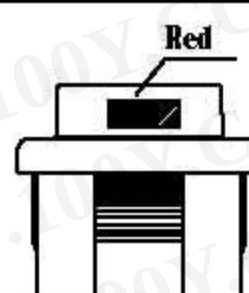
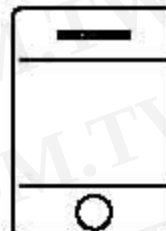
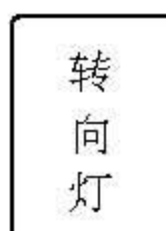
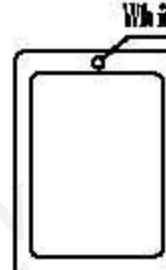
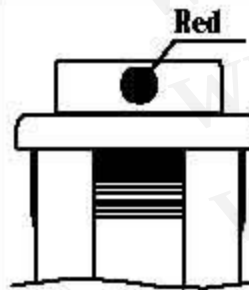
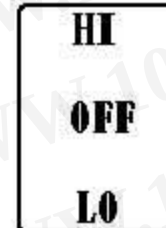
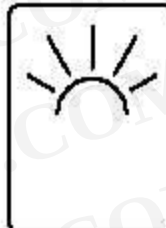
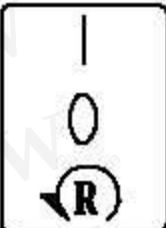
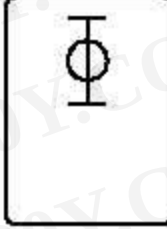
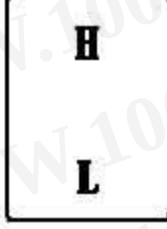
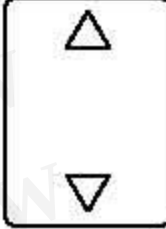
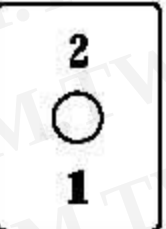
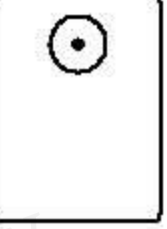
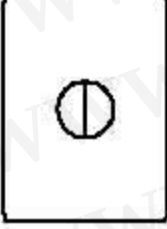
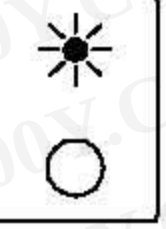
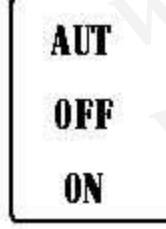
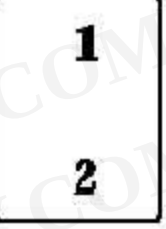
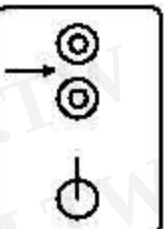
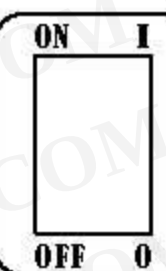
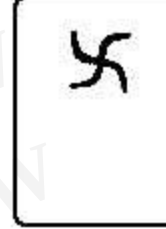
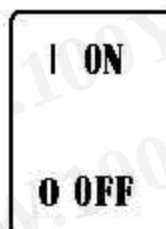
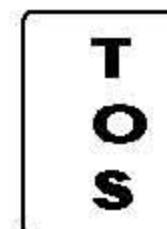
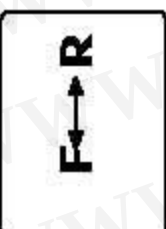
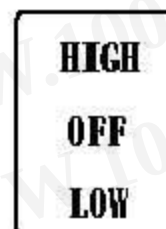
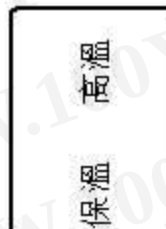
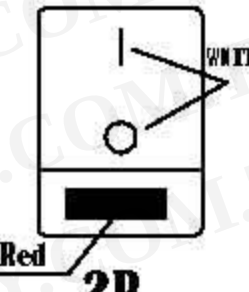
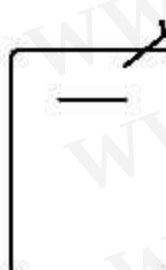
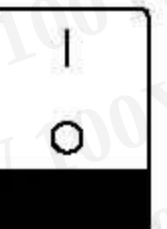
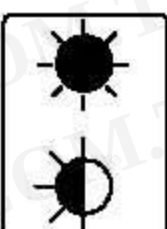
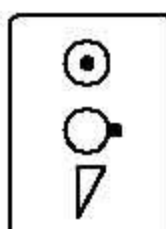
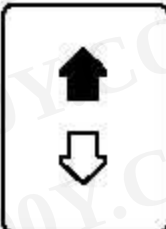
| Code | LAMP COLOR                  |
|------|-----------------------------|
| N    | TRANSPARENT NEON LAMP       |
| F    | GREEN FLUORESCENT NEON LAMP |
| B    | BLUE FLUORESCENT NEON LAMP  |
| T    | TUNGSTEN LAMP               |
| R    | RED LED LAMP                |
| M    | GREEN LED LAMP              |
| Y    | YELLOW LED LAMP             |
| L    | LED LAMP                    |
| 0    | Without LED                 |

## Lamp Name List(五)

| Code | Lamp Name                   |
|------|-----------------------------|
| 0    | No Lamp                     |
| L    | Led Lamp                    |
| T    | Tungsten Lamp               |
| N    | Transparent Neon Lamp       |
| F    | Green Fluorescent Neon Lamp |
| B    | Blue Fluorescent Neon Lamp  |

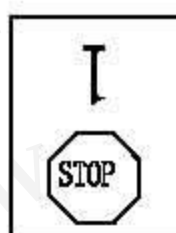
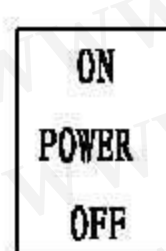
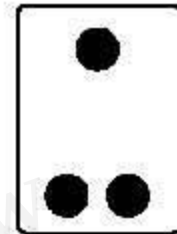
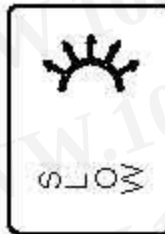
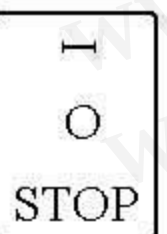
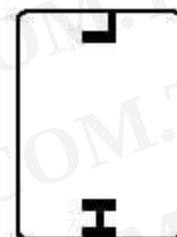
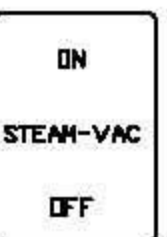
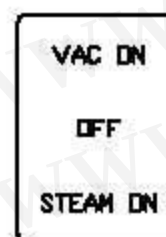
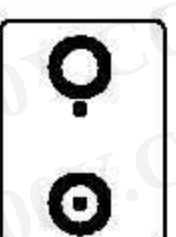
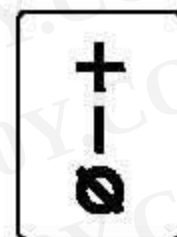
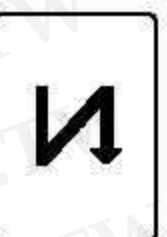
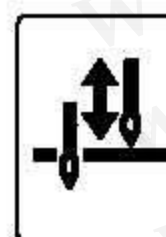
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|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <br><b>A</b>    | <br><b>B</b>    | <br><b>C</b>    | <br><b>D</b>    | <br><b>E</b>    | <br><b>F</b>    | <br><b>G</b>    | <br><b>H</b>    | <br><b>I</b>    |
| <br><b>J</b>    | <br><b>K</b>    | <br><b>L</b>    | <br><b>M</b>    | <br><b>N</b>    | <br><b>O</b>    | <br><b>P</b>    | <br><b>Q</b>    | <br><b>R</b>    |
| <br><b>S</b>    | <br><b>T</b>    | <br><b>U</b>    | <br><b>V</b>    | <br><b>W</b>    | <br><b>X</b>    | <br><b>Y</b>    | <br><b>Z</b>    | <br><b>1A</b>   |
| <br><b>1B</b> | <br><b>1C</b> | <br><b>1D</b> | <br><b>1E</b> | <br><b>1F</b> | <br><b>1G</b> | <br><b>1H</b> | <br><b>1I</b> | <br><b>1J</b> |
| <br><b>1K</b> | <br><b>1L</b> | <br><b>1M</b> | <br><b>1N</b> | <br><b>1O</b> | <br><b>1P</b> | <br><b>1Q</b> | <br><b>1R</b> | <br><b>1S</b> |
| <br><b>1T</b> | <br><b>1U</b> | <br><b>1V</b> | <br><b>1W</b> | <br><b>1X</b> | <br><b>1Y</b> | <br><b>1Z</b> | <br><b>2A</b> | <br><b>2B</b> |
| <br><b>2C</b> | <br><b>2D</b> | <br><b>2E</b> | <br><b>2F</b> | <br><b>2G</b> | <br><b>2H</b> | <br><b>2I</b> | <br><b>2J</b> | <br><b>2K</b> |
| <br><b>2L</b> | <br><b>2M</b> | <br><b>2N</b> | <br><b>2O</b> | <br><b>2P</b> | <br><b>2Q</b> | <br><b>2R</b> | <br><b>2S</b> | <br><b>2T</b> |
| <br><b>2U</b> | <br><b>2V</b> | <br><b>2W</b> | <br><b>2X</b> | <br><b>2Y</b> | <br><b>2Z</b> | <br><b>3A</b> | <br><b>3B</b> | <br><b>3C</b> |



marking height: 2mm

|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |    |    |    |    |    |    |
| <b>3D</b>                                                                           | <b>3E</b>                                                                           | <b>3F</b>                                                                           | <b>3G</b>                                                                            | <b>3H</b>                                                                             | <b>3I</b>                                                                             | <b>3J</b>                                                                             | <b>3K</b>                                                                             | <b>3L</b>                                                                             |
|    |    |    |    |    |    |    |    |    |
| <b>3M</b>                                                                           | <b>3N</b>                                                                           | <b>3O</b>                                                                           | <b>3P</b>                                                                            | <b>3Q</b>                                                                             | <b>3R</b>                                                                             | <b>3S</b>                                                                             | <b>3T</b>                                                                             | <b>3U</b>                                                                             |
|   |   |   |   |   |   |   |   |   |
| <b>3V</b>                                                                           | <b>3W</b>                                                                           | <b>3X</b>                                                                           | <b>3Y</b>                                                                            | <b>3Z</b>                                                                             | <b>4A</b>                                                                             | <b>4B</b>                                                                             | <b>4C</b>                                                                             | <b>4D</b>                                                                             |
|  |  |  |  |  |  |  |  |  |
| <b>4E</b>                                                                           | <b>4F</b>                                                                           | <b>4G</b>                                                                           | <b>4H</b>                                                                            | <b>4I</b>                                                                             | <b>4J</b>                                                                             | <b>4K</b>                                                                             | <b>4L</b>                                                                             | <b>4M</b>                                                                             |
|  |  |  |  |  |  |  |  |  |
| <b>4N</b>                                                                           | <b>4O</b>                                                                           | <b>4P</b>                                                                           |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |

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