

## MPB Series MicroSwitch Push Bar Manual

### Special Features

1. Provide 3-D operation functions: Pressing, LED indicator, and sound warning. Wide range of applications especially for accessible environment.
2. Stand-alone and driven modes. Big triple-color Bar and buzzer available for user to adjust under driven mode. Volume of buzzer is able to adjust under either mode.
3. Built-in micro-computer control. Two sets of output points to adjust output time. Buzzer sound is accompanied with output. It is also available to set as intermittent reminder before completion of output.
4. Push bar can be activated permanent mechanically by a lock.
5. When its electronic control is out of order (power cut or malfunction of internal board), it will automatically change to mechanical control without output delay function.



### Model Series

**Type**  
Micro switch push bar

**Door Loop**  
D : SDS-50(Iron)  
DA : SDS-50A(Stainless Steel)

**MPB-185SD**

**Exterior**  
1 : Matte silver  
2 : Matte Black  
3 : Matte Red

**Length**  
85 : 85cm  
60 : 60cm  
120 : 120cm

**Function**  
S : Light Off (Switch only)  
R : Standby Red Light  
G : Standby Green Light  
B : Standby Blue Light  
X0-9 : Custom made

### Dimensions



### Accessories



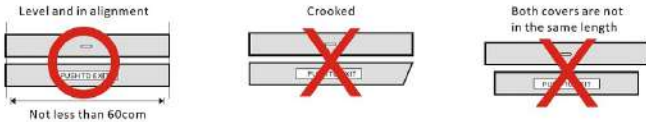
### Specification

Item	Model	MPB Series	NOTE
Power Input	DC 12V/ DC 24V		± 15%
Current Consumption	170mA@12VDC ; 140mA@24VDC		± 15%
Contact load	6A 125/250VAC ; 5A 30VDC		
Suitable Door Leaf Width	>60CM		
Indicator Color	Built-in Red / Blue / Green 3 colors		
Buzzer Decibel	Maximun 92 Decibel (Adjustable)		
Output Status	Trigger(0.5-60 sec.)/Toggle(Use of a key to control)		
Operation Temperature	Approximately 0°C~70°C		
warranty period	1 year		
Weight	1900g		

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### Self-cut Length Methods

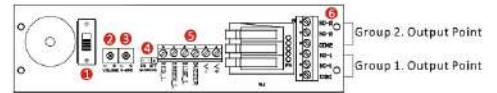
Please follow the following diagram to cut and assemble according to the limitation of the environment. Both top and bottom covers must be level and in alignment (not less than 60cm).



1. Please disassemble plastic covers at both sides.
  2. Disassemble mounting iron plate of one side.
  3. Please follow the following steps to pull out the top covers and connect control wires.
  4. Disassemble light board wires according to the diagram below.
  5. Disassemble the screws of the bottom parts and pull out the bottom side cover.
  6. Disassemble the mounting screws and plastic board to take out the lifting frame.
  7. Disassemble fixed screws on the board to take out the machine board.
  8. Place indicator lights in the middle and make sure both sides are at the same length.
  9. Please follow Step. 7~1 to assemble in a reverse way. Please refer to the diagram below for the related positions.
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- Operation of the key: Push the putter down and turn the key to fix the putter at the position to remain output status.

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### Connector



1. **STAND-ALONE MODE:**  
State indicator, buzzer, output delay time are controlled by internal board.
  2. **Volume Adjust**
  3. **Delay Time**
  4. **ON** / **OFF**
  5. **Blink Mode:**  
Indicator can be set as blinking and buzzer as intermittent reminder for the last 6 seconds
  6. **INPUT POINT**  
+DC  
-DC  
+GND  
-GND  
Buzzer LED  
Green LED  
Red LED
  7. **Contact Load:**  
6A@125/250VAC  
5A@30VDC
- ※ Microswitch on the putter is available for output to continuously maintain basic signal out put (time delay function is not available) when power is cut or malfunction of the board components.

### Installation

1. Please disassemble plastic covers at both sides.
2. Mount putter on the door leaf. Please reserve at least 1.5cm space on both sides.
3. Disassemble mounting iron plate of one side.
4. Please follow the following steps to pull out the top cover. Please be careful while pulling out to avoid from breaking the light board wires.
5. Please connect all wirings according to the Contact Description.
6. Please remove the plastic sheet of the plastic cover if bushing is purchased. Please use E-typed buckle to mount the bushing.
7. Please follow the Step.4~1 to assemble the top cover in a reverse way.

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### Connector Example

**STAND-ALONE MODE (Default):**  
State indicator, buzzer, output delay time are controlled by internal board.

Red : Standby  
Green : Operating

Stand-Alone Mode Output Delay Time is adjustable

To connect with other devices such as sound and light speaker, central monitoring system and etc.

Electric Lock (power to lock)

Electric Lock (power to open)

**DRIVEN MODE:**  
State indicator, buzzer, output delay time are controlled by external input.

Driven Mode

Output delay time = Pressing time

A backend controlled is needed to use this mode. Output connector is connected to the backend controller. Beacon and buzzer are controlled by the backend controller.

Backend controller → Control electric lock and other devices

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