

# SLIDE LIMIT COUNTER MANUAL (PRESET TYPE)

## Slide Limit Counter (Shut Height Counter) INSTRUCTION MANUAL

Thank you for your purchasing our product.  
Please read this instruction manual carefully before using to ensure the correct usage of this product.  
Please keep this instruction manual for future reference.

**WARNING** Misuse of this device may lead to injury to the user or damage to the device.

**Customer Service**

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### Safety Precautions

For safe usage of this device, please observe all statements regarding precautions and warnings in this instruction manual.

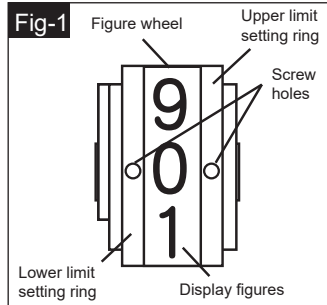
#### ⚠ Attention

- Do not drop or subject this device to strong impact.
- Do not use this device on where it will be exposed to solvent, oil and water.
- Do not use or store this device where it will be exposed to direct sunlight, dust, high temperature and high humidity.
- Do not attempt to disassemble or modify this device.

### Setting manner of upper & lower limit

The figure that is right next to the screw hole of each setting ring after rotating each setting wheel is the setting value. (Refer to Fig-1)

1. Turn off the power supply of machine. Remove screws on the window frame, then remove the window frame, the window plate and the window panel.
  - \* Do not attempt to disassemble other parts except of the window frame, the window plate and the window panel. If disassembling, it may cause a malfunction of this counter
2. Loosen the screws of the setting ring on the side of the figure wheel using a hexagon wrench with a width across flats of 0.89 mm. (Refer to Fig-1)
3. When setting the upper limit, rotate the main shaft to display the value you want to set.
4. Rotate the upper limit setting ring to stop the screw hole right next to the figure in each digit. (Refer to Fig-1)
5. Tighten the screw of the setting rings using a hexagon wrench.
6. When setting the lower limit, rotate the main shaft to display the value by subtracting 1 from the value you want to set.
7. Rotate the lower limit setting ring to stop the screw hole right next to the figure in each digit. (Refer to Fig-1)
8. Tighten the screws of the setting rings using a hexagon wrench.



- \* When setting the lower limit, please subtract 1 from your desired setting value.
- \* Set figures except "9" in only the 1st digit (with groove) of upper limit setting ring.  
Set figures except "0" in only the 1st digit (with groove) of lower limit setting ring.
- \* In the case "0" is set in all of lower limit setting rings, the microswitch will be OFF twice.
- \* The setting wheel of 1st digit has two screws. Tighten both screws with paying attention to the position of the groove.  
(Solid lines are for the upper limit, dotted lines are for the lower limit.)

9. Attach the window panel, window plate and window frame to their original positions, and tighten the screws on the window frame.

#### ● Available setting digits

Setting is not available on the last 1 digit or 2 digits. (Please refer to following list and Fig.2.)

4 digits	Setting is available on upper 3 digits.	Setting is not available on the last 1 digit.	Refer to Fig-2.1
5 digits	Setting is available on upper 4 digits.	Setting is not available on the last 1 digit.	Refer to Fig-2.2
	Setting is available on upper 3 digits.	Setting is not available on the last 2 digit.	Refer to Fig-2.3

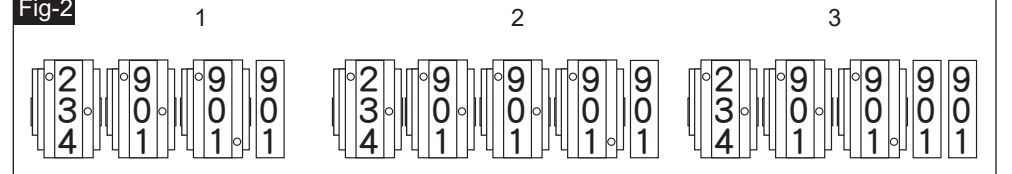
Only the 1st digit of setting rings has long grooves.

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#### ● Example.

Upper Limit	In case it output at 301.0.(Setting is available on upper 3 digits in 4 digits counter.)	Refer to Fig-2.1
	In case it output at 3001.0.(Setting is available on upper 4 digits in 5 digits counter.)	Refer to Fig-2.2
	In case it output at 301.00.(Setting is available on upper 3 digits in 5 digits counter.)	Refer to Fig-2.3
Lower Limit	In case it output at 300.0.(Setting is available on upper 3 digits in 4 digits counter.)	Refer to Fig-2.1
	In case it output at 3000.0.(Setting is available on upper 4 digits in 5 digits counter.)	Refer to Fig-2.2
	In case it output at 300.00.(Setting is available on upper 3 digits in 5 digits counter.)	Refer to Fig-2.3

Fig-2



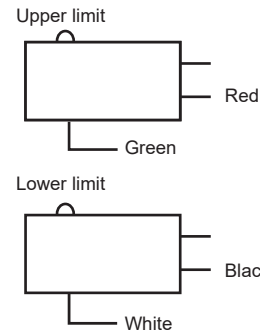
#### ● Output status of microswitches

Upper limit setting ring	In case of 301.0	Microswitch is OFF between 301.0 and 302.9.
	In case of 3001.0	Microswitch is OFF between 3001.0 and 3002.9.
	In case of 301.00	Microswitch is OFF between 301.00 and 302.99.
Lower limit setting ring	In case of 299.0	Microswitch is OFF between 299.9 and 298.0.
	In case of 2999.0	Microswitch is OFF between 2999.9 and 2998.0.
	In case of 299.00	Microswitch is OFF between 299.99 and 298.00.

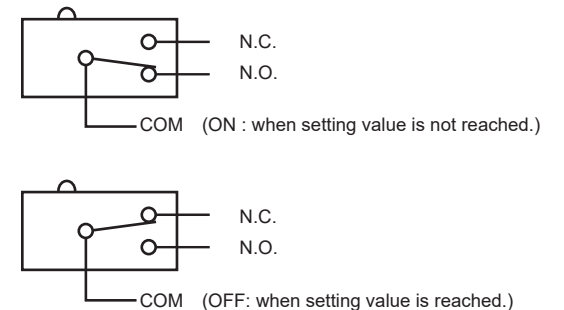
### Wiring

Microswitches are integrated inside the counter and they output through cabtyre cable (4 cores).

#### ● Wiring diagram of microswitch



#### ● Contact position of microswitch (Common to Upper & Lower)



Capacity of microswitch  
AC250V-15A,  
DC125V-0.6A, DC250V-0.3A