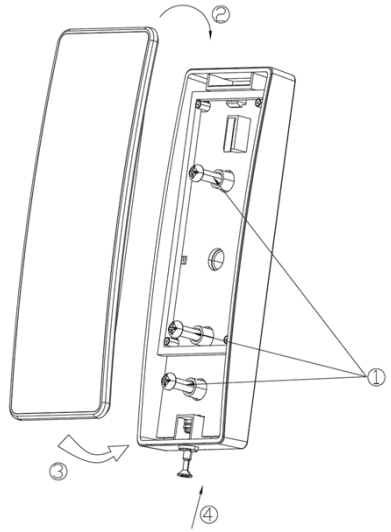
CPU Mullion Mount Reader Installation Manual

Mounting:

1. Install the back plate on the wall as shown in the diagram below①.
2. The cover shall clip on the upper edge ② the push in the bottom part as show in diagram③.
3. Tighten the non-dropout screw, which located underneath of the reader to fix the reader and the back plate④, installation is completed.

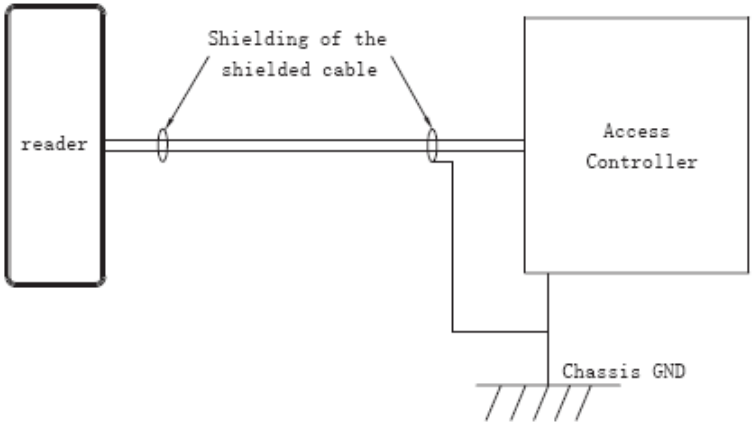


Specification:

Input Voltage (at Reader end)	DC9V~15V	**Typical Read range**	> 5cm
Operating Current	120mA (max)	**Maximum Cable Length**	150m
Operating Temperature	-30ºC~70 ºC		

Recommendation:

1. Linear DC Power Supply;
2. 22AWG shielded cable; it's required to do "one-point" ground. (As shown in the diagram)



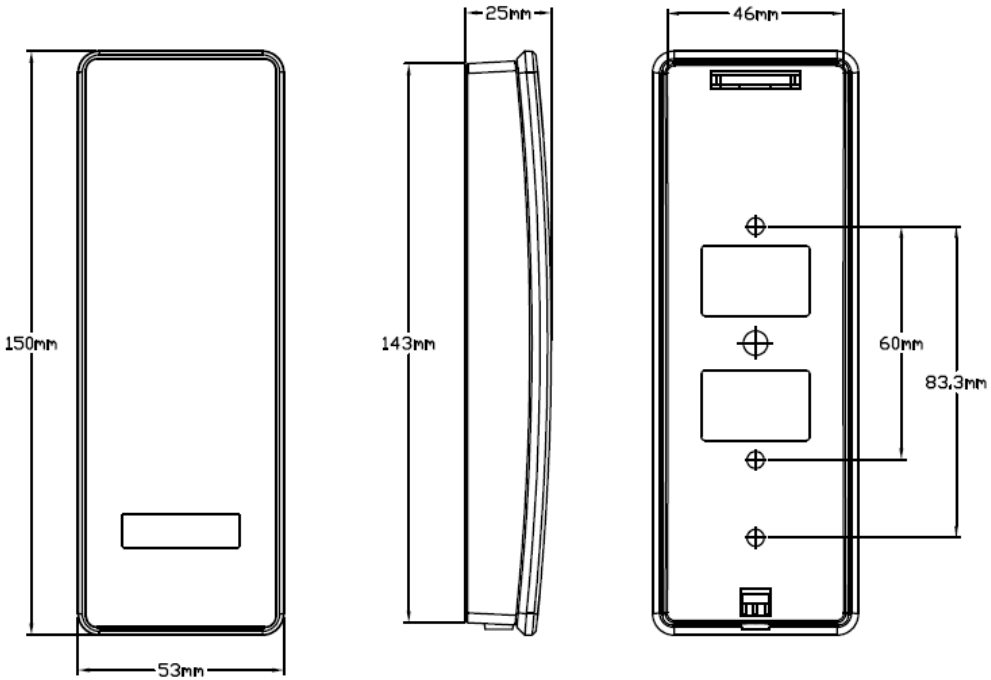
Wiring:

Color	Label	Description
Red	+12V dc	Power Supply to the reader
Black	GND	Signal GND
Green	Data0	Wiegand Output data, D0
White	Data1	Wiegand Output data, D1
Yellow	RED LED	RED LED control, active low.
Blue	Green LED	Green LED control, active low
Brown	Buzzer	Buzzer input, active low
Orange	Tamper	Tamper output (open collector, Active low, max 100mA)
Purple	Doorbell	Door bell output (open collector, +5Vdc output ≤ 5mA)

Power up Sequences:

1. This is a CPU flash reader. When reader is powered up, the Green back will flicker for 5 seconds. The reader will beep once and the reader is in Ready mode.
2. Present the card. The Blue LED will flicker once; buzzer will beep once.
3. When card is present and read by the reader, the card data will be transmitted to the controller. Whether the back lit of the reader will remain ON or Flash or change to Green or Red color, this depends on the Green and Red LED inputs.
4. For number pad reader, when a number is pressed and successfully detected, the back lit under the number will flash 1 time and the buzzer will beep once. The number being pressed will burst out by default (4 bits burst).

Physical Dimension:



Troubleshooting:

Trouble List	Solution
No Response when Power Up	● Disconnect the power and confirm that the power supply cable is correctly connected (See “Wiring” above). ● Check the input voltage is sufficient (See “Specifications” above).
Auto Restart	● Check the input voltage is sufficient (See “Specifications” above).
Cannot read card number correctly	● Check the format setting on the controller if it is the same as the card format. Use approved card (known format and Facility Code) to test. ● Check if the shield cable is correctly connected to Classis Ground at ONE point only.
Reader beeps but No card data info	● Check if data 0 & data 1 cable is correctly connected (See “Wiring” above). ● Check the input voltage at the card reader end is correct (See “Specifications” above).
Buzzer error	● Check if the buzzer cable is correctly connected (See “Wiring” above).
Back Lit Error	● Check the LED cable is correctly connected (See “Wiring” above). ● Use Default Configuration Card to set it back to normal.
Keypad No Response	● Power off reader for 5 seconds and power on again