User Manual | infinias™ Series Solution | R-MPW-CHAR-AH

SPECIFICATIONS

Communication Protocol: Defined by card (26 to 37 bits) or Fixed Wiegand (26, 34, 37, 42, 24, 32, 35, 40 bit)
Protocol Programming: By DIP Switch
Proximity Reading Type: HID (125 kHz) compatible
Operating Frequency: 125 KHz
Reading Distance: Up to 5 cm
Green LED: Externally controlled
Red LED: Idle Mode
Buzzer ON/OFF: Yes
Backlight ON/OFF: Yes
Tamper Protection: When Opened or Dismantled
Cable Distance: 196 ft. (60 Meters)
Consumption: Max. 60 mA
Power Supply: 9-14V DC
Indoor/Outdoor: Indoor and Outdoor Use
Compliance: This product complies with FCC Part 15 and UL 294
Mounting: Surface
Housing: Moulded Aluminum
Color: Charcoal
Resin Potted Electronic: Yes
Dimensions (mm): 3.62 in x 2 in x .98 in. (92 mm x 51 mm x 25 mm)
Levels of Access Control:
- Destructive attack: Level I
- Line security: Level I
- Endurance: Level IV
- Standby power: Level I

MOUNTING THE HARDWARE

1. 

2. 

3. 

4. 

2 in (51 mm)

3.62 in (92 mm)

.98 in (25 mm)
WIRING DAGRAM

![WIRING DIAGRAM](image)

<table>
<thead>
<tr>
<th>Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>12VDC (9-14V DC)</td>
</tr>
<tr>
<td>Black</td>
<td>GND - Ground</td>
</tr>
<tr>
<td>Blue</td>
<td>Tamper Switch</td>
</tr>
<tr>
<td>Gray</td>
<td>Tamper Switch</td>
</tr>
<tr>
<td>Green</td>
<td>D0 - Data 0</td>
</tr>
<tr>
<td>White</td>
<td>D1 - Data 1</td>
</tr>
<tr>
<td>Orange</td>
<td>LG - LED Control</td>
</tr>
</tbody>
</table>

Power Supply
Warning: Incorrect wiring and use of power supply out of the specified range may cause improper behavior or permanent damage to the device! Reading distance may be decreased in presence of strong electromagnetic field in area.

Note: The lead shall not be spliced to a conductor larger than 18 AWG (0.82 mm²).

Wiegand

WIRING THE eIDC

![WIRING THE eIDC](image)

DIP SWITCH CONFIGURATION

1. Backlight ON/OFF (If On, Backlight is Off)
2. Buzzer ON/OFF (If On, Buzzer is Off)
3. W1-Wiegand1
4. W2-Wiegand2
5. No Parity
6. Card Type (Wiegand Format)
   OFF = Defined by the Card (Default)
   ON = Defined by DIP switches 3, 4 and 5
WEIGAND SELECTION

Use the DIP switch numbers 3, 4 and 5 to select the desired Wiegand Output

<table>
<thead>
<tr>
<th>Wiegand</th>
<th>Position 3</th>
<th>Position 4</th>
<th>Position 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>W 26bit (Default)</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>W 34bit</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>W 37bit</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>W 42bit</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>W 24bit</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>W 32bit</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>W 35bit</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>W 40bit</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>

TESTING AND MAINTENANCE

Testing the Output: Connect the device to a controller as specified in this manual and present a card. See in the controller’s software if a number displays on the screen.

Testing the Green LED: Connect the orange wire on GND, while the device is powered and the green LED should turn ON.

No special maintenance needed.