安全上の要点

本製品を安全に使用するために、以下の事項を守ってください。

・磁気・ガスの発生特性を考慮して、適切な操作を行ってください。
・操作上は、適切な操作方法を守ってください。
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使用上の注意

1. 下記の設置場所では使用しないでください。
2. 使用上の注意
3. 使用上の注意
4. 使用上の注意
5. 使用上の注意
6. 使用上の注意

定格/性能

- 項目
  - 形式
  - 磁気
  - 材質
  - 数量
  - 残留磁化密度
  - 用途
  - 使用温度
  - 使用温度

外形寸法

- 材質
  - 形式
  - 磁気
  - 用途
  - 使用温度
  - 使用温度

取付方法

1. コントロールのネジ穴に固定ネジを使用して本製品を取付けてください。
2. 取付時の注意
3. 取付時の注意
4. 取付時の注意
5. 取付時の注意
6. 取付時の注意
**PRECAUTIONS FOR SAFE USE**

Observe the following precautions to ensure safe operation.

- Do not use this product near magnetic products (magnetic cards, etc.) or precision electronic devices (computers, clocks, etc.).
- Be careful to avoid fragments from entering your eyes as the product may chip due to the impact at absorption. If a fragment contacts eyes, seek medical attention.
- Be careful for your fingers not to be caught between the products or between the product and the magnetic body.
- Do not subject the product to a shock by an accident such as dropping the product. Doing so may cause damage to the product.
- Do not install the product at high elevations.
- Do not install the product at places subject to vibration and shocks.
- Check that the product will not fall after installation as the product may not be able to secure enough mounting strength depending on installation surfaces.
- Dispose of the Mounting Magnet for ZN-□□□X as industrial waste.

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**PRECAUTIONS ON SAFETY**

- **Meanings of Signal Words**
  - Indicates a potentially hazardous situation which, if not avoided, will result in minor or moderate injury, or may result in serious injury or death. Additionally there may be significant property damage.

- **Definition of Symbols**
  - Indicates mandatory actions (must do).

- **Warning Indications**
  - Strong magnets are used. Do not use this product if you wear a cardiac pacemaker. Do not use this product near people with cardiac pacemakers.

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**Ratings/Characteristics**

<table>
<thead>
<tr>
<th>Item</th>
<th>ZN9-EM01-S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Neodymium magnet</td>
</tr>
<tr>
<td>Amount</td>
<td>2</td>
</tr>
<tr>
<td>Residual magnetic flux density</td>
<td>1250 to 1280 mT/piece</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0 to 60°C (no condensation or icing)</td>
</tr>
<tr>
<td>Operating humidity</td>
<td>15 to 85% (no condensation or icing)</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>–15 to +60°C (no condensation or icing)</td>
</tr>
<tr>
<td>Storage humidity</td>
<td>50 to 85% (no condensation or icing)</td>
</tr>
<tr>
<td>Vibration resistance</td>
<td>50 mm</td>
</tr>
<tr>
<td>Dimensions</td>
<td>12 Dia x 3 x 3 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 100 g (packaged)</td>
</tr>
<tr>
<td>Accessories</td>
<td>Mounting screws (M3x6) x2</td>
</tr>
</tbody>
</table>

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**Dimensions**

- N: 90°
- D: 7 Dia.
- S: 3 Dia.

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**Mounting**

1. Mount the product using the provided screws to the screw holes of the controller. (tightening torque: 0.4 N·cm to 0.6 N·cm)

- Flat head screws (M3x6)
- Mounting magnets

2. Mount the controller on the fall surface. Be careful not to drop the product. Check that the product is properly mounted.

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**Suitability for Use**

THE PRODUCTS CONTAINED IN THIS SHEET ARE NOT SAFETY RATED. THEY ARE NOT DESIGNED OR RATED FOR ENDURING SAFETY OF PERSONS, AND SHOULD NOT BE RELIED UPON AS A SAFE COMPONENT OR PROTECTIVE DEVICE FOR SUCH PURPOSES. PLEASE REFER TO SEPARATE CATALOGS FOR OMRON'S SAFETY RATED PRODUCTS.

OMRON shall not be responsible for conformity with any standards, codes, or regulations that apply to the combination of the product in the customer's application or use of the product.

Take all necessary steps to determine the suitability of the product for the systems, machines, and equipment with which it will be used. Know and observe all prohibitions of use applicable to this product.

NEVER USE THE PRODUCTS FOR AN APPLICATION INVOLVING SERIOUS HAZARD TO LIFE OR PROPERTY WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE OMRON PRODUCT IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL SYSTEM OR EQUIPMENT.

See also Product catalog for Warranty and Limitation of Liability.