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Sonew Sonew0dygs3fn4q-02

Sonew 10Pcs RFID EM ID Inductive Tags User Manual

Model: Sonew0dygs3fn4q-02

INTRODUCTION

This manual provides essential information for the proper use and maintenance of your Sonew 10Pcs RFID EM ID Inductive Tags. Please read this guide thoroughly before use to ensure optimal performance and longevity of the product.

PRODUCT OVERVIEW

The Sonew RFID EM ID Inductive Tags are designed for various applications including security guard tour systems and attendance tracking. These durable tags offer reliable identification and data storage capabilities.



Image: A set of ten black circular RFID EM ID inductive tags, showcasing the quantity included in the package.

Each tag is constructed from high-quality ABS plastic, providing durability and resistance to environmental factors.



Image: A detailed view of a single black RFID EM ID inductive tag, highlighting its circular design and central opening.

SPECIFICATIONS

Feature	Detail
Material	ABS plastics
Color	Black
Dimensions	40mm diameter, 4.5mm thickness
Working Frequency	125 KHz
Reading/Writing Distance	2.5 cm to 10 cm
Reading/Writing Time	1 to 2 ms
Operating Temperature	Up to 60°C
Wiping Life	> 100,000 times
Data Retention	> 5 years

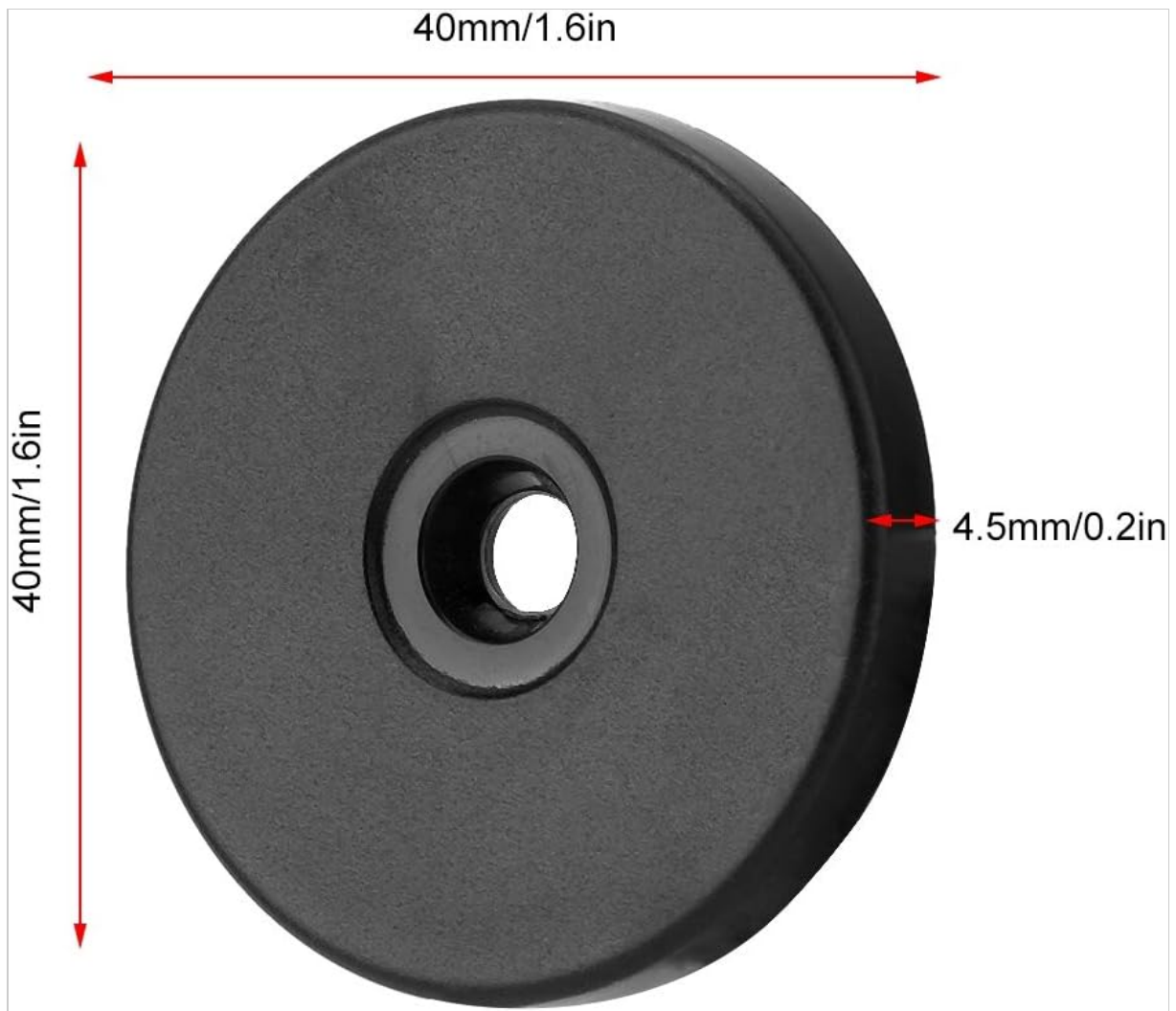


Image: A visual representation of the RFID tag's dimensions, indicating a 40mm diameter and 4.5mm thickness.

SETUP

The Sonew RFID EM ID Inductive Tags are passive devices and do not require power or configuration themselves. Their setup primarily involves physical placement and integration with a compatible RFID reader system.

1. **Placement:** Identify strategic locations for tag placement within your security guard tour route or attendance checkpoint areas. Ensure tags are securely affixed to a stable surface.
2. **System Integration:** These tags are designed to work with 125 KHz RFID EM ID compatible handheld readers or fixed reader systems. Refer to your RFID reader's manual for instructions on how to register and associate these tags with your system.
3. **Testing:** After placement and system integration, perform a test scan with your RFID reader to confirm that each tag is correctly detected and its unique identification number is registered by the system.

OPERATION

Operating the Sonew RFID EM ID Inductive Tags involves using a compatible RFID reader to interact with them.

1. **Scanning:** To read a tag, bring a compatible 125 KHz RFID handheld reader within the reading distance (2.5 cm to 10 cm) of the tag. The reader will typically provide an audible or visual confirmation upon successful tag detection.

2. **Data Recording:** The unique identification number of each tag is recorded by the handheld reader. This data, along with timestamps and reader ID, is stored for later processing.
3. **Data Upload:** Periodically, connect your handheld reader to a computer or network as per the reader's instructions to upload the collected tag data.
4. **Analysis:** Utilize your security or attendance management software to process the uploaded data. This allows for monitoring patrol routes, verifying attendance, and analyzing personnel performance.

It works by installing a series of RFID tags along the route (each tag has a unique global identification number) and allowing patrol personnel to read the tag using a handheld reader.



Image: An individual demonstrating the use of an RFID reader to scan a tag affixed to a wall, illustrating typical operation in a guard tour system.

• Widely use •

The results are displayed on the screen, printed or emailed to examine the manager's performance and patrol personnel's data (attendance, patrol location, timeliness, accidents, etc.).



Image: A close-up of an RFID tag with a blurred background of a modern building, symbolizing its broad utility in various environments.

MAINTENANCE

The Sonew RFID EM ID Inductive Tags require minimal maintenance due to their durable construction.

- **Cleaning:** If tags become dirty, wipe them with a soft, damp cloth. Avoid using harsh chemicals or abrasive materials that could damage the ABS plastic.
- **Inspection:** Periodically inspect tags for any physical damage or signs of wear. While durable, extreme physical impact can compromise their integrity.
- **Environmental Conditions:** Although resistant to water, prolonged submersion or exposure to extreme temperatures outside the specified operating range (up to 60°C) should be avoided to ensure optimal performance and data retention.

TROUBLESHOOTING

If you encounter issues with your RFID tags, consider the following:

- **Tag Not Reading:**

- Ensure your RFID reader is compatible with 125 KHz EM ID tags.
 - Verify the reader is powered on and functioning correctly.
 - Bring the reader within the specified reading distance (2.5 cm to 10 cm) of the tag.
 - Check for any physical obstructions between the reader and the tag.
 - Inspect the tag for visible damage.
- **Inconsistent Readings:**
 - Ensure the reader is held steadily and within optimal range during scanning.
 - Minimize interference from other electronic devices or large metal objects in the vicinity.

WARRANTY AND SUPPORT

For warranty information and technical support regarding your Sonew RFID EM ID Inductive Tags, please refer to the documentation provided with your purchase or contact Sonew customer service.

You can typically find support contact details on the official Sonew website or through your retailer.