User manual

DHI-ARM808-RS - Panel Input Expansion Module

1. INTRODUCTION

This module provides additional functionality by allowing the connection of up to 8 alarm inputs and 2 outputs with NO-NC contact configuration. Designed to be addressable via DIP switch and with end-of-line configuration options, it is ideal for expanding the capacity of the Dahua ARC3008C, ARC9016C, ARC2008C and ARC2016C alarm panels.

2. PRODUCT SPECIFICATIONS

Model: DHI-ARM808-RS

Alarm Inputs: 8

Outputs: 2 (NO-NC with jumper)

Address: Configurable via DIP switch

End of Line Configuration: 2K7, 4K7, 6K8

Compatibility: Dahua alarm panels ARC3008C, ARC9016C, ARC2008C, ARC2016C

3. PACKAGE CONTENTS

1 x DHI-ARM808-RS Input Expansion Module

1 x Jumper for output configuration

1 x User Manual

4. INSTALLATION

4.1 Prerequisites

- Compatible Dahua alarm panel (ARC3008C, ARC9016C, ARC2008C, ARC2016C).
- Tools: Screwdriver, connection cables.

4.2 Installation Steps

1. System shutdown:

- Turn off the alarm panel and disconnect it from the power source.

2. Location identification:

- Select a suitable location to mount the expansion module near the main panel.

3. Connection of Inputs:

- Connect the alarm input cables to the corresponding terminals on the DHI-ARM808-RS module.
- Be sure to follow the specific settings for end of line (2K7, 4K7, 6K8) as necessary.

4. Connection of outputs:

- Configure the jumper for the desired NO-NC configuration on the outputs.
- Connect devices or circuits to the module outputs.

5. Power Connection:

- Connect the power cables of the module to the power supply of the alarm panel.

6. Closing the Panel:

- Close the module panel and secure it in place using the screws provided.

7. System Power On:

- Connect the alarm panel back to the power source and turn it on.

5. CONFIGURATION

5.1 DIP Switch Configuration

- Use the module's DIP switch to assign a unique address to the device. Consult the alarm panel manual for specific address assignment.

5.2 End of Line Configuration

- Adjust the end-of-line settings (2K7, 4K7, 6K8) according to your installation specifications and alarm panel recommendations.

6. MAINTENANCE

6.1 Regular Inspection

- Periodically check connections and module integrity.

6.2 Firmware Update

- Check the Dahua website if firmware updates are available for the DHI-ARM808-RS module.

7. TROUBLESHOOTING

7.1 Common Problems and Solutions

7.1.1. Inputs or outputs do not work correctly:

- Check the connections and make sure they are configured correctly.

7.1.2. Address or DIP switch configuration problems:

- Check the DIP switch configuration and make sure the assigned address is correct according to the alarm panel configuration.