

HYUNDAI
SECURITY DEVICE

Addressable device manager HYU-FA-ADM001

User Manual



Device Manager



Cautions



WARNING: DO NOT ATTEMPT TO CHARGE NON-RECHARGEABLE BATTERIES OTHERWISE AN EXPLOSION MAY OCCUR.



PRODUCT LIMITATIONS: This device is only for use with compatible Numens addressable devices. Other uses are not approved by Numens.

Features

Addressable device manager is a configuration tool used with Numens addressable devices (such as detectors, modules and manual call points). It is a hand-held alternative to connecting addressable device to control and indicating equipment and enables checking and setting of operating parameters.

The HYU-FA-ADM001 has a durable plastic housing, with a high-contrast LCD to display device operating parameters. Tactile controls enable the user to navigate through configurable parameters and read from or write settings to the connected device. Rechargeable user-replaceable batteries provide long operating life.

The HYU-FA-ADM001 addressable device manager provides fire detection and alarm system installers with a quick and convenient tool to check and set device parameters.

Interfaces

HYU-FA-ADM001 addressable device manager interfaces are shown in Fig. 1.

User

The parameters of the connected device can be read and displayed on the LCD. Changes to the parameters can be made using the keypad on the device manager and written to the device.

Power

684 addressable device manager is powered by six AA rechargeable cells. A manual power switch is located on the right-hand side of the unit. A mini-USB port is located alongside the power switch for the battery charger input.

Device Interfaces

Addressable devices, such as detectors, modules or manual call points are connected to LOOP +/- terminals.

An optional detector base may be fitted to the using the mounting screws on the top cover. The integral remote indicator connects to the detector base remote terminals using the REMOTE +/- terminals.

Battery Installation

1. Open the battery compartment cover on the rear of the HYU-FA-ADM001 (see Fig. 2).
2. Install the six AA rechargeable batteries, taking care to ensure the correct installation polarity (see Fig. 3).
3. Replace the battery compartment cover (see Fig. 4).



Fig. 2 – Remove battery compartment cover

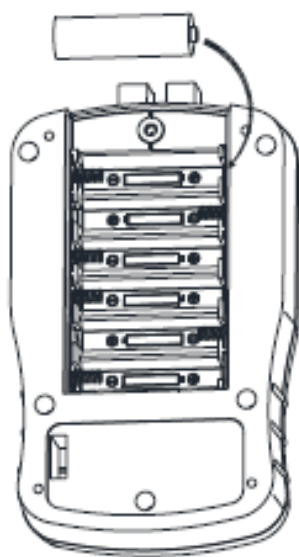


Fig. 3 – Fit batteries

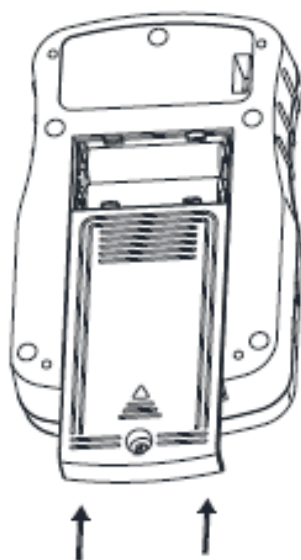


Fig. 4 – Replace battery compartment cover

Detector Base (Optional)

1. Where the optional detector base is used, mount the base to the body of the HYU-FA-ADM001 using the screws supplied.
2. Connect conductors between:
 - a. Loop + and base terminal L2
 - b. Loop – and base terminal L5
 - c. Remote + and base terminal L6
 - d. Remote – and base terminal L3

Operation

Power On and Start-up

1. Turn on the power switch located on the right-hand side of the body. The LCD will display **Device Manager**.
2. Press any key. The display will prompt to enter the access code.
3. Press Enter, then the following navigation button sequence: **▲ ▼ ◀ ▶ ▶**. The menu items will be displayed.

Detector Settings

Fit the detector to the base, rotating it clockwise to make electrical contact with the base terminals.

The following parameters may be configured.

Description	Range
Address ^a	1 ~ 125
LED flash on alarm	Y/N
Sensitivity (smoke detectors only)	H4 – (Normal sensitivity) x 0.75 H3 – (Normal sensitivity) x 0.81 H2 – (Normal sensitivity) x 0.88 H1 – (Normal sensitivity) x 0.94 N – Normal sensitivity L1 – (Normal sensitivity) x 1.08 L2 – (Normal sensitivity) x 1.13 L3 – (Normal sensitivity) x 1.19 L4 – (Normal sensitivity) x 1.25

^a Can only be used with detectors that incorporate soft addressing. For detectors that utilise DIP switch address setting, the address must be set to 000.

New Detectors

For unused detectors, complete the following steps to configure the device.

1. Navigate through the menu items using the navigation buttons to choose the desired parameter.
2. Press Enter to select the parameter.
3. Use the **◀ ▶** buttons to select the field (eg address number place value), and **▲ ▼** buttons to select the value (eg address digit).

NOTE: For detectors that utilise DIP switch address setting, the address must be set to 000.

4. Once the parameter value is chosen, press the Write button to write the value to the detector. A 30 s countdown timer will display the time remaining until the parameter is written to the detector. The parameter is automatically read back from the detector and display in the LCD as the Read value.
5. Repeat Steps 1 ~ 4 for other parameters.
6. When the parameters have been written to the detector, select the Test Device command and press the Write button. Observe the test, including the activation of the remote LED indicator (where fitted).

Operational Detectors

For detectors that are already operational, navigate the menu items and select "Read" to read the existing parameter value. A 30 s countdown timer will display the time remaining until the parameter is read from the detector. The parameter is displayed in the LCD as the Read value.

New parameters can overwrite existing parameters by following the steps for new detectors.

Test Device Commands

When the detector parameters have been set, the following commands can be used to check the LED settings.

Command 0 test	Device LED: off Device manager LED: off
Command 1 test	Device LED: on Device manager LED: on
Command 2 test	Device LED: on Device manager LED: off
Command 3 test	Device LED: off Device manager LED: on

Module Settings

Connect the module to LOOP +/- terminals.

The following parameters may be configured.

Description	Range
Address ^a	1 ~ 125

New Modules

For unused modules, complete the following steps to configure the device.

1. Select **1. Address** menu item.
2. Press Enter.
3. Use the ◀ ▶ buttons to select the address number place value), and ▲ ▼ buttons to select the address digit.
4. Once the parameter value is chosen, press the Write button to write the address value to the module. A 30 s countdown timer will display the time remaining until the address is written to the module. The address is automatically read back from the module and displayed in the LCD as the Read value.

Operational Modules

For modules that are already operational, select **1. Address** menu, then select "Read" to read the existing address. A 30 s countdown timer will display the time remaining until the address is read from the module. The address is displayed in the LCD as the Read value.

A new address can overwrite existing parameters by following the steps for new modules.

Manual Call Point Settings

Connect the MCP to LOOP +/- terminals.

The following parameters may be configured.

Description	Range
Address ^a	1 ~ 125
LED flash on alarm	Y/N

^a Can only be used with MCPs that incorporate soft addressing. For MCPs that utilise DIP switch address setting, the address must be set to 000.

New Manual Call Points

For unused MCPs, complete the following steps to configure the device.

1. Select **1. Address** menu item.
2. Press Enter.
3. Use the ◀▶ buttons to select the address number place value), and ▲ ▼ buttons to select the address digit.

NOTE: For MCPs that utilise DIP switch address setting, the address must be set to 000.

4. Once the parameter value is chosen, press the Write button to write the address value to the MCP. A 30 s countdown timer will display the time remaining until the address is written to the MCP. The address is automatically read back from the MCP and displayed in the LCD as the Read value.
5. Select **2. Set LED flash** menu item.
6. Press Enter.
7. Use the ▲ ▼ buttons to select "Y" or "N" for the MCP LED to flash or not.
8. Once the parameter value is chosen, press the Write button to write the address value to the MCP. A 30 s countdown timer will display the time remaining until the address is written to the MCP. The address is automatically read back from the MCP and displayed in the LCD as the Read value.

Operational Manual Call Points

For MCPs that are already operational, select **1. Address** menu, then select "Read" to read the existing address. A 30 s countdown timer will display the time remaining until the address is read from the MCP. The address is displayed in the LCD as the Read value.

A new address can overwrite existing parameters by following the steps for new manual call points.

Care and Maintenance

Cleaning

Clean the device manager with a dry or damp soft lint-free cloth Do not use solvents.

Battery Charging

When the battery low signal is displayed, replace the batteries (if not rechargeable) or connect the battery charger to the mini-USB charging socket.



WARNING: DO NOT ATTEMPT TO CHARGE NON-RECHARGEABLE BATTERIES OTHERWISE AN EXPLOSION MAY OCCUR.

Disposal



This product is designed to work reliably for 10 years and should not be disposed of as land-fill. Please dispose in an environmentally friendly manner.



WARNING: This is an important document. Retain it for the life of the device.

HYUNDAI



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