

Honeywell-OnGuard Integration

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Honeywell Integration with OnGuard 7.2

Overview

OnGuard 7.2 supports the ability to communicate with Honeywell access panels and downstream devices. This document provides an overview of this support.

Honeywell transition firmware link:

<https://file.ac/4KhQKmyzEDo/>

Supported Access Panels and Downstream Devices

The following Honeywell access panels are supported in OnGuard 7.2:

- PW6K1IC
- PW5K1IC
- PW3K1IC
- PRO22IC
- PRO32IC

The following downstream devices are also supported:

- PW5K1R1 Single Reader Interface
- PW5K1R2/PW6K1R2 Dual Reader Interface
- PW5K1IN/PW6K1IN 16 Input Module
- PW5K1OUT/PW6K1OUT 16 Output Module
- PRO22R1 Single Reader Interface
- PRO22R2/PRO32R2 Dual Reader Interface
- PRO22IN/PRO32IN 16 Input Module
- PRO22OUT/PRO32OUT 16 Output Module

Configure Honeywell Access Panels and Downstream Devices in OnGuard

To configure the Honeywell hardware in OnGuard, select the appropriate equivalent access panel or downstream device in OnGuard.

Access Panels

A **Honeywell support** check box has been added to the Panel Options tab for the LNL-3300, LNL-2000 and LNL-500 access panels. Select this check box to enable communication between the Honeywell controller and OnGuard.

Note: The **Honeywell support** check box is a licensed option and is not visible by default.

Refer to the following table for Lenel-to-Honeywell controller pairings:

Downstream Devices

Selecting the **Honeywell support** check box for a controller type enables communication with supported downstream devices. Refer to the following table for Lenel-to-Honeywell downstream device pairings:

Lenel-to-Honeywell Access Panel Pairings

Lenel Access Panel Honeywell Equivalent Access Panel

LNL-3300 PW6K1IC/PRO32IC

LNL-2000 PW5K1IC

LNL-500 PW3K1IC/PRO22IC

Lenel-to-Honeywell Downstream Device Pairings

Lenel Downstream Device Honeywell Equivalent Downstream Device

LNL-1300 Single Reader Interface Module PW5K1R1/PRO22R1

LNL-1320 Dual Reader Interface Module PW5K1R2/PW6K1R2/PRO22R2/PRO32R2

LNL-1100 Input Control Module PW5K1IN/PW6K1IN/PRO22IN/PRO32IN

LNL-1200 Output Control Module PW5K1OUT/PW6K1OUT/PRO22OUT/PRO32OUT

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Configure Port Numbers for the PW5K1IC Downstream Device

When configuring a Honeywell PW5K1IC as an LNL-2000 access panel, the ports on the PW5K1IC do not match the ports listed in OnGuard. Refer to the following table to select the correct port number in OnGuard:

Edit Input/Output Mapping for Readers in the ACS.ini File

Existing installations may have reader wiring in place that differs from the standard Lenel wiring where inputs are used for the door contact, REX, Aux Input 1, and Aux Input 2; and outputs are used for the strike, Aux Output 1, and Aux Output 2.

To specify custom reader input/output mappings via settings in the **ACS.ini** file, perform the following procedure:

1. Stop the Communication Server that services the targeted access panels and downstream devices.
2. Open the **ACS.ini** file located on the Communication Server workstation using a text editor, such as Notepad.
3. Copy the content in Reader Input/Output Mapping Settings in the ACS.ini File on page 5 and paste it into the **ACS.ini** file.
4. Save the **ACS.ini** file and close the text editor.
5. Restart the Communication Server for the targeted access panels and downstream devices.
6. When the access panels and downstream devices come back online, perform a database download to send the customized settings to the hardware.

Note: Changes made to the **ACS.ini** file using the procedure in this section apply to all access panels and downstream devices serviced by a Communication Server workstation where the customized **ACS.ini** file resides. If custom mapping is not desired for certain access panels and devices, then these access panels and devices must be placed on a separate Communication Server workstation that does not have the customized **ACS.ini** file on it.

Lenel-to-Honeywell Port Pairings

Port Label on Honeywell PW5K1IC Port Number in OnGuard

Port 3 Port 2
Port 4 Port 3
Port 5 Port 4
Port 6 Port 5

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Install Firmware on Honeywell Hardware

Note: Firmware downloads are not required for the Honeywell access panels and downstream devices to function, and are only necessary if specific functionality is needed or required after an upgrade.

Note: The OnGuard system does not include the current release of firmware for Honeywell access panels and downstream devices. The firmware is available for download from the Lenel Knowledge Base at kb.lenel.com. Before switching to OnGuard, it is recommended that all Honeywell access panels and downstream devices have the latest available firmware.

In order to update the Honeywell access panels and downstream devices, the Honeywell firmware files must reside on the OnGuard Communication Server and must comply with OnGuard file naming conventions. To do this, follow these steps:

1. On the OnGuard Communication Server that is communicating with the Honeywell access panels and downstream devices, locate the folder where the flash files reside. By default, the OnGuard directory is located in this folder:

- **32-bit servers:** C:\Program Files\OnGuard

- **64-bit servers:** C:\Program Files (x86)\OnGuard

2. Copy the Honeywell files into the appropriate folder: hon3300.bin, hon2000.bin, hon2000_aes.bin, hon500.bin, hon1320.bin, hon1300.bin, hon1100.bin, hon1200.bin

Leave the existing bin files in the OnGuard directory (Inl2210.bin, Inl2220.bin, Inl3300.bin, and Inl3300_m5.bin) on the Communication Server.

3. In Alarm Monitoring, right-click on the access panel to update, and select **Download Firmware**.

For more information, refer to the Alarm Monitoring User Guide.

Note: Honeywell firmware versions are in the 2.x range. As a result, in Alarm Monitoring, [Not Current] appears next to the name of the Honeywell access panel or downstream device.

Serial Number Reporting

Honeywell does not program the serial number into their controllers and downstream devices at production time. Therefore, all Honeywell boards will report a serial number of **1** (visible in Alarm Monitoring).

OEM Mask

To allow both Lenel and Honeywell access panels to come online, the following OEM mask must be set in the OnGuard license file: OEM Mask = 62719 (0xF4FF).

Reader Input/Output Mapping Settings in the ACS.ini File

```
[ReaderInputOutputMapping]
//To enable remapping set ReaderInputOutputMappingMode=1
ReaderInputOutputMappingMode=1
//Inputs/Outputs for the single reader interface boards and other possible
devices
ReaderInputDoorContact=0
ReaderInputRex=1
```

```
ReaderInputAux1=2
ReaderInputAux2=3
ReaderOutputStrike=0
ReaderOutputAux1=1
ReaderOutputAux2=2
// Inputs/Outputs for the dual reader interface - reader 1
Reader1_InputDoorContact=0
Reader1_InputRex=1
Reader1_InputAux1=4
Reader1_InputAux2=5
Reader1_OutputStrike=0
Reader1_OutputAux1=1
Reader1_OutputAux2=4
// Inputs/Outputs for the dual reader interface - reader 2
Reader2_InputDoorContact=2
Reader2_InputRex=3
Reader2_InputAux1=6
Reader2_InputAux2=7
Reader2_OutputStrike=2
Reader2_OutputAux1=3
Reader2_OutputAux2=5
// Inputs/Outputs for the LNL-2220 reader interface - reader 1
Reader1_2220_InputDoorContact=0
Reader1_2220_InputRex=1
Reader1_2220_InputAux1=4
Reader1_2220_InputAux2=5
Reader1_2220_OutputStrike=0
Reader1_2220_OutputAux=1
// Inputs/Outputs for the LNL-2220 reader interface - reader 2
Reader2_2220_InputDoorContact=2
Reader2_2220_InputRex=3
Reader2_2220_InputAux1=6
Reader2_2220_InputAux2=7
Reader2_2220_OutputStrike=2
Reader2_2220_OutputAux=3
```

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