AN-197

Configuring a Hold Up Walk Test in Protege GX

Application Note

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Contents

Introduction

In high risk environments, such as in the banking and gaming industries, it is paramount that safety features are tested regularly to ensure they remain functional. For this purpose, Protege GX provides the hold up walk test feature, which is designed to ensure that critical inputs such as panic or duress buttons are manually tested on a regular basis.

Once the hold up walk test has been configured, the area will enter walk test mode each time a user disarms the area from a keypad. While in walk test mode, every specified input must be tested (opened) before the area is disarmed.

During the test, an output or output group can be activated to notify users that they need to test nearby inputs. The progress of the test is displayed on the keypad and in the Protege GX event log as each input is tested, and preconfigured Contact ID codes are sent to the monitoring station at each stage of the test.

Prerequisites

Setting up a hold up walk test requires:

- An operational Protege GX system with version 4.2.181 or higher.
- A Protege keypad (PRT-KLCD or PRT-KLCS) connected to the module network and addressed in the Protege GX software.

Programming the Hold Up Walk Test

Configuring the Test Area

It is recommended that you create a specific area that is used to walk test all of the required inputs. This allows inputs in different physical areas to be tested in a single scheduled hold up walk test, instead of whenever the physical areas happen to be disarmed.

The hold up walk test will prevent alarms from being generated in the area that is being tested, but not in any other areas. Any other areas must have the main or 24HR portion disarmed to prevent the alarm from being activated during the hold up walk test.

1. Navigate to **Programming | Areas** and click **Add** to create a new area. For the purposes of this example we will name this Hold Up Walk Test Area.

2. In the **Options (1)** tab, scroll down to the **Hold Up Area Walk Test** section and check the **Enable Hold Up Walk Test When Disarming** option.

3. Configure the following options:
   - **Maximum Test Time (seconds)**: The maximum time (in seconds) that the hold up walk test will run. After this time expires, the test will end and the area will not be disarmed. Ensure that the time is sufficient for testing all of the required inputs.
   - **Contact ID Group Code For Test Starting**: This Contact ID group code is sent to the monitoring station when the hold up walk test starts.
   - **Contact ID Group Code For Input Activation**: This Contact ID group code is sent to the monitoring station when each input is activated during the hold up walk test.
   - **Contact ID Group Code For Test Passed**: This Contact ID group code is sent to the monitoring station when the hold up walk test is passed (i.e. all inputs have been activated successfully).
   - **Contact ID Group Code For Test Canceled**: This Contact ID group code is sent to the monitoring station when the hold up walk test is manually canceled or times out.
   - **Output / Output Group to Activate During Test**: This output or output group is activated after the first input is opened in the hold up walk test. It is deactivated when the test is completed or times out. Use this feature to notify users that the test is active with a visual or audible signal, prompting them to activate their inputs.

   For more information, see Contact ID Messages (page 8).

4. Configure any other features of the area that are required. For example, it may be useful to enable rearming (**Options (1)** tab) so that the area will be rearmed automatically after it is disarmed for the hold up walk test.

   This area does not generate alarms or control access, so it does not require any physical outputs.

5. Click **Save**.

6. It is convenient to create an area group containing all of the areas that must be disarmed or disabled during the walk test. Navigate to **Groups | Area Groups** and create a new group called Hold Up Walk Test Area Group. This should include both the Hold Up Walk Test Area and any physical areas that the tested inputs are programmed in.

   This area group is used for assigning the required permissions to users and keypads (see next page).

Creating the Input Type

It is recommended that you create a new input type for the inputs that will be tested during the hold up walk test.

1. Navigate to **Programming | Input Types** and click **Add** to create a new input type. We will name this Hold Up Walk Test Input Type.

2. In the **Options (2)** tab, enable the **Test During Hold Up Walk Test** option.

   No further options are required, as alarm and reporting options are managed by the physical areas that the inputs are programmed in.

3. Click **Save**.

Configuring the Inputs

1. Navigate to **Programming | Inputs** and use Shift + Click or Control + Click to multi select the inputs that will be included in the hold up walk test.

   You can use the **Find** tool to find relevant inputs, such as all inputs with the word 'Panic' in the name.

2. In the **Areas and Input Types** tab, set **Area 4** to Hold Up Walk Test Area and **Input Type 4** to Hold Up Walk Test Input Type.

   Any area and input type from 1-4 may be used as long as it does not conflict with other areas which the inputs are programmed in.

3. Click **Save**.

4. Allow the programming to be downloaded to the controller. Navigate to **Programming | Areas**. Right click on the Hold Up Walk Test Area and fully disarm it (including the 24HR portion), then rearm.

Configuring Keypad Permissions

In order to initiate the hold up walk test, a user must disarm the Hold Up Walk Test Area from a keypad. They likely will also need to disarm or disable other (physical) areas that contain the relevant inputs, so that the walk test does not set off any alarms. Therefore, it is necessary to configure the appropriate permissions for at least one user and keypad on the site.

Below are the suggested permissions:

- **Keypad permissions (Expanders | Keypads)**
  - **Menu Group for this Keypad**: A menu group that allows area control.
  - **Area Group for this Keypad**: The Hold Up Walk Test Area Group created above.
  - **Allow 24Hr Area Access**: Enabled if users need to disarm the 24HR portion of areas.
- **User permissions (Users | Access Levels)**
  - **Menu Groups**: A menu group that allows area control. The **Tamper Area Control Allowed** option should be enabled if users need to disarm the 24HR portion of areas.
  - **Disarming Area Groups**: The Hold Up Walk Test Area Group created above.

Performing the Hold Up Walk Test

1. Log in to the system keypad as a user with the appropriate permissions.

2. Navigate to the area control menu (**[MENU] [1] [4]**). Disarm or disable each physical area that contains inputs being tested by the hold up walk test.

   - If the inputs are programmed to generate alarms normally, disarm each area by selecting it on the keypad and pressing the **[DISARM]** key.

   - If the inputs are programmed with the **Twenty Four Hour Panic Input** option enabled (**Programming | Input Types | Options (1)**), they use the 24HR portion of the area to generate alarms instead of the main portion. To disarm the 24HR portion or each area, select the area on the keypad and press **[LEFT]**. Press the **[DISARM]** key to disarm the 24HR portion.

3. Select the Hold Up Walk Test Area and press the **[DISARM]** key to begin the hold up walk test. The keypad displays the following message:

   ```
   Walk test of Area
   Started
   Begin activating Area
   Inputs
   ```

   A Test Starting message is sent to the monitoring station.

4. Activate each input in the area in turn. As each input is activated the keypad displays a message similar to the following:

   ```
   PX1.1 (Panic) Rcptn
   Activated
   01 of 05 Inputs
   Activated
   ```

   An Input Activation message is sent to the monitoring station. The **Output / Output Group to Activate During Test** turns on when the first input is activated.

5. Once all the inputs have been activated, the keypad displays a message confirming the test has been completed successfully.

   ```
   PX1.5 (Panic) Vault
   Activated
   05 of 05 Inputs
   Activated
   Walk test of Area
   passed
   Press Enter to end
   walk test
   ```

   Press **[ENTER]** to end the walk test. A Test Passed message is then sent to the monitoring station and the area is disarmed.

6. To cancel the test at any stage, press the **[DISARM]** key. The keypad displays a message prompt as follows:

```
Press Enter to cancel
test
Press Disarm to
continue test
```

Press **[ENTER]** to cancel the test. If the test is canceled this way, the area is disarmed and a Test Canceled message is sent to the monitoring station. Press **[DISARM]** again to continue the test and activate the remaining inputs.

7. If the allotted time period elapses before the test is complete, or the user presses the **[CLEAR]** key, the test is canceled. A Test Canceled message is sent to the monitoring station and the user is logged out of the keypad. The area is not disarmed.

8. When the test is complete, rearm any main or 24HR portions of the areas that were disarmed at the beginning of the test.

Contact ID Messages

Contact ID messages are transmitted in the following format: **ACCT MT Q EEE GG CCC**

ACCT	Client code (or account number) as supplied by the monitoring station. This can be set in either the programming for the reporting service (**Programming | Services | General**) or the specific area programming (**Programming | Areas | Configuration**).
MT	Message type (always 18)
Q	Event qualifier (1 = Open, 3 = Close)
EEE	Event code
GG	Group code set in the area programming for each specific part of the test (or area reporting ID)
CCC	Input number (or user reporting ID)

There are five possible messages that can be sent to the monitoring station during the walk test:

Test Starting

- The event code (EEE) is the value configured in the **Contact ID Group Code For Test Starting** field in area programming.
- The input number (CCC) is the reporting ID of the user starting the test.

Input Activation

- The event code is the value configured in the **Contact ID Group Code For Input Activation** field in area programming.
- The input number is the reporting ID of the input activated during the test.

Test Passed

- The event code is the value configured in the **Contact ID Group Code For Test Passed** field in area programming.
- The input number is the reporting ID of the user undertaking the test.

Test Canceled

- The event code is the value configured in the **Contact ID Group Code For Test Canceled** field in area programming.
- The input number is the reporting ID of the user canceling the test.

Area Disarmed

- This is the standard message sent when the area is disarmed.
- This message is sent by pressing the **[DISARM]** key when the test is passed or canceled.