NITTAN

SPERA

Analog Addressable Fire Alarm System

User Guide

LT-893NIT Rev 1
December 2015

Table of Content

Introduction

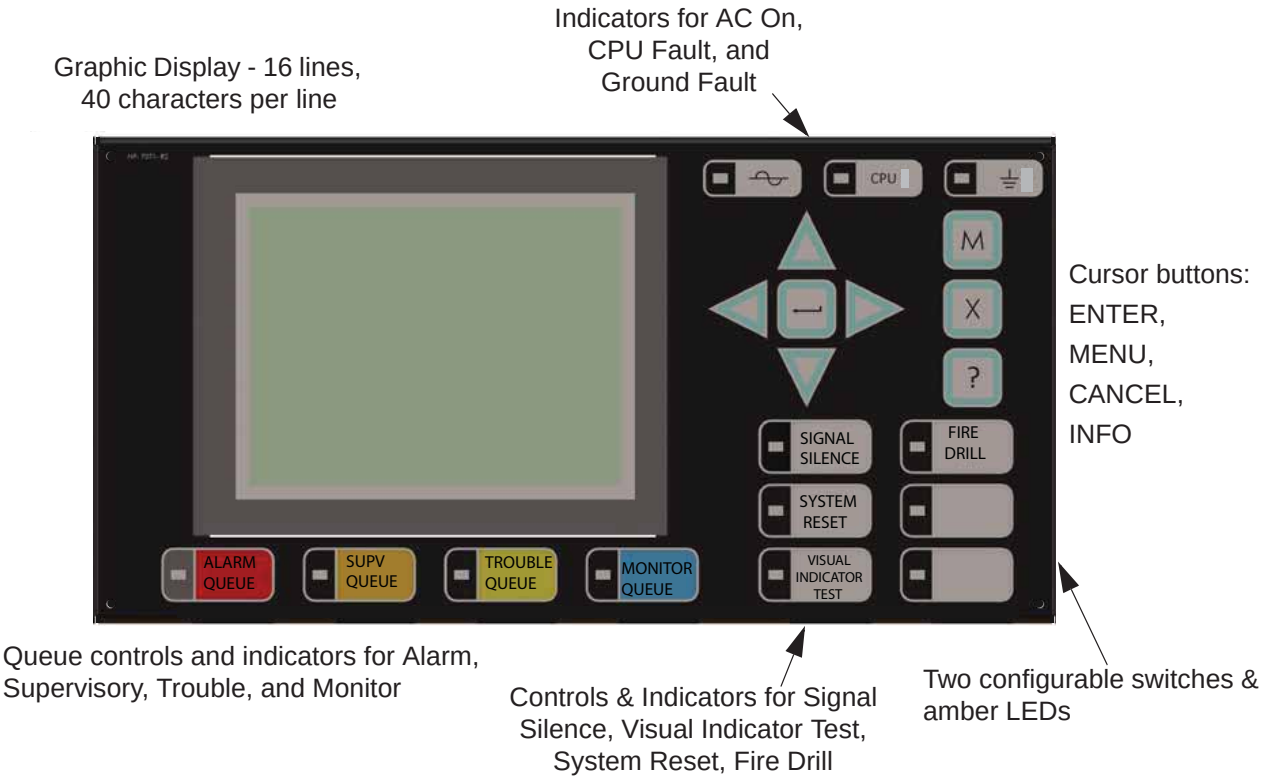
About this Manual

This user guide provides information on the Command Menu features of the NFU-7000 and the NFU-7000-L Analog Addressable Fire Alarm system. Using the instructions provided in this manual, you will be able to:

- Print reports
- Bypass devices/circuits, Nodes, input zones, Node outputs, and disconnect relays
- Manually force an input and/or output
- Perform a silent or audible walk test
- Set Day/Night mode
- Set Time
- Clear alarm and event logs

Front Panel Indicators, Controls, and Operation

Graphic Front Panel Indicators and Control Locations (Model NK-DISP-1640)



Front Panel Indicators and Control Locations

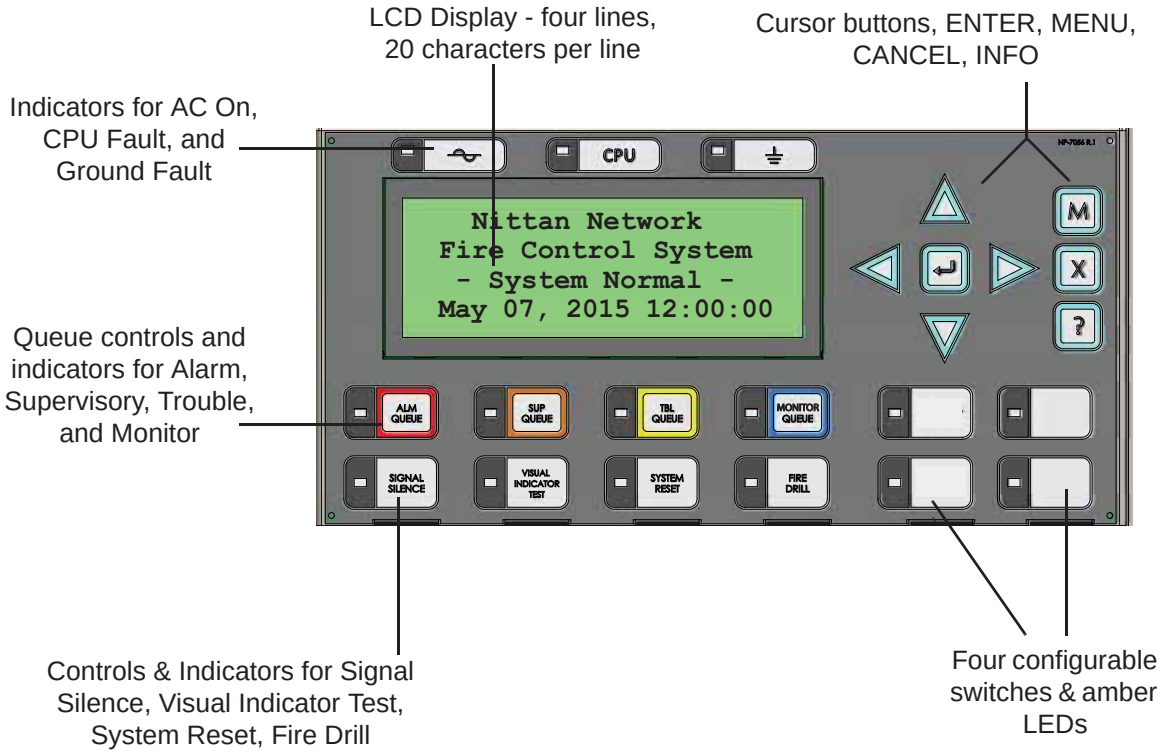
LED indicators are amber (trouble or supervisory), red (alarm), or green (AC ON), and may illuminate continuously (steady) or at one of two flash rates:

- **Fast flash:** 120 flashes per minute, 50% duty cycle
- **Trouble flash:** 20 flashes per minute, 50% duty cycle

Paper Labels for Buttons and Indicators

Buttons and indicators are supplied with paper labels. These labels slide into the plastic label templates on the face of the panel. Paper labels allow for easy English / French selection and custom-printed zone information.

Front Panel Indicators and Control Locations (Model NK-DISP-420)



Common Indicators

Buzzer

The buzzer is activated by any of the following:

- **Fire alarm**: steady
- **Supervisory alarm**: fast flash rate
- **Trouble**: trouble flash rate
- **Monitor**: Configurable to sound at trouble flash rate

If the buzzer turns ON in response to a non-latching trouble or supervisory, it will turn OFF if the condition causing it goes away and there is no other reason for it to be ON.

AC ON | CPU FAULT | GROUND FAULT

AC ON LED

The AC ON LED illuminates steady green while the main AC power is within acceptable levels. It turns OFF when the power level falls below the power-fail threshold and the panel switches to standby (battery) power.

CPU Fault LED

The CPU Fault LED flashes amber at the trouble flash rate when the main CPU fails.

Ground Fault LED

The Ground Fault LED flashes amber at the trouble flash rate when the Ground Fault Detector detects a ground fault on any field wiring. It turns OFF after the fault is cleared.

Alarm Queue LED

The Alarm LED flashes red whenever the panel is in alarm. An alarm results from any alarm on any point or input programmed as alarm or activation of the manual red General Alarm button. The Alarm Queue LED will illuminate steadily once *all* alarms in the queue have been reviewed using the Alarm Queue button. Since all alarms are latched until the panel is reset, the LED will remain ON until then.

Supervisory Queue LED

The Supv. (Supervisory) LED flashes amber when there is a supervisory alarm in the panel resulting from any latching or non-latching supervisory circuit. The LED turns OFF if all non-latching supervisory circuits are restored and there are no active latching supervisory circuits. The Supv. Queue LED will illuminate steadily once *all* supervisory alarms in the supervisory queue have been reviewed using the Supv. Queue button. Latching supervisory alarms remain active until the panel is reset.

Trouble Queue LED

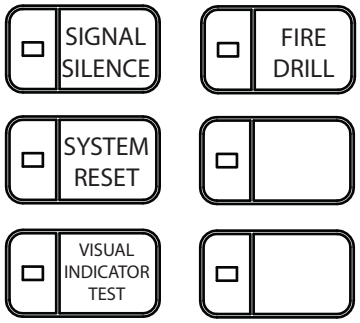
The Trouble LED flashes amber at the trouble flash rate when the panel detects any trouble condition. The LED turns OFF after all non-latching troubles are cleared. The Trouble Queue LED will illuminate steadily once all troubles in the trouble queue have been reviewed using the Trouble Queue button.

Monitor Queue LED

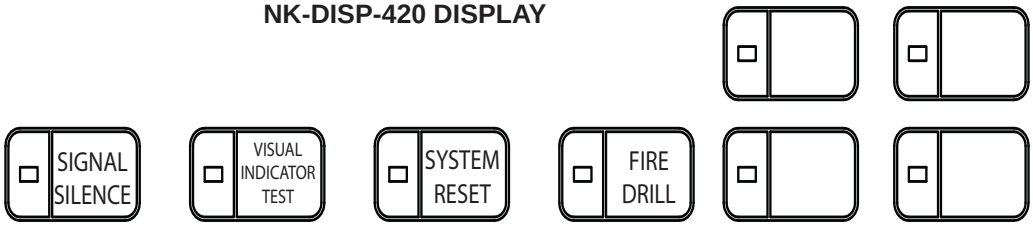
The Monitor Trouble LED flashes amber at the trouble flash rate when the panel detects any Monitor condition. It turns OFF after all monitor troubles are cleared.

NK-DISP-1640

DISPLAY



NK-DISP-420 DISPLAY



Signal Silence LED

The Signal Silence LED flashes amber at the trouble flash rate after indicating circuits are silenced either by the Signal Silence button, or by the Auto Signal Silence Timer. It turns OFF after the signals are re-sounded by a subsequent alarm.

Visual Indicator Test LED

The amber Visual Indicator Test LED will illuminate steadily after the Visual Indicator Test button is pressed and while system is in Visual Indicator Test mode.

System Reset LED

The amber System Reset LED will illuminate steadily after the System Reset button has been pressed and the system is resetting.

Fire Drill LED

The Fire Drill LED turns ON steady amber while Fire Drill is active.

Common Controls

Graphic LCD Display

The graphic display is a large, 16 line by 40 character back-lit alphanumeric LCD. It displays information regarding the panel, its circuits, and devices. An on-screen cursor is controlled by the cursor buttons (located to the right of the display) for menu selection and control. Report information provided by the display include Alarm Log, Event Log, Current Levels, Serial Code and Power Source reports.

Queue Buttons

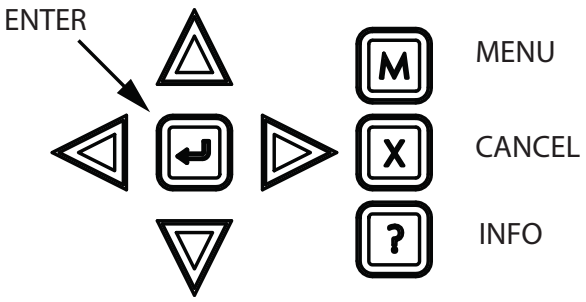
Use the queue buttons to select a particular queue to review.

- Use the **Alarm Queue** button to view all alarms. Pressing this button will show the latest alarm on the LCD display. Use △ and ▽ to view all previous alarms.
- Use the **Supervisory Queue** button to view all supervisory conditions. Pressing this button will show the latest supervisory information on the LCD display. Use △ and ▽ to view all previous supervisory conditions on the LCD display.
- Use the **Trouble Queue** button to view all trouble conditions. Pressing this button will show the latest trouble condition on the LCD display. Use △ and ▽ to view any previous troubles.
- Use the **Monitor Queue** button to show all monitor conditions. Pressing this button will show the latest monitor information on the LCD display. Use △ and ▽ to view all queued monitor conditions.

Queues are displayed on the screen according to a priority sequence. Queue priority ranking from highest to lowest is as follows: alarm, supervisory, trouble, and monitor. If, for example, you are viewing a monitor queue and an alarm occurs, the display will immediately display the alarm condition. Also, if there is no activity on the system for 10 seconds after you have pressed a queue button, the display will switch to the highest priority condition.

Cursor Buttons

Located around the Enter button, the cursor buttons up (previous), down (next), right, and left allow you to select items on the LCD display. The up and down buttons scroll through lists in a continuous loop.



Enter Button

Use this button to select a displayed item on the LCD display.

Cancel Button

Use this button to cancel an operation or exit a menu.

Menu Button

Use this button to view the Command Menu.

Info Button

Push and hold this button to get detailed information about any displayed item.

Signal Silence Button

Pressing the Signal Silence button after the panel is in alarm turns ON the Signal Silence LED and deactivates any silenceable indicating circuits. Non-silenceable circuits are unaffected. Signals will re-sound upon any subsequent alarm. This button does not function during any configured Signal Silence Inhibit Timer period. It also does not function if indicating circuits are active as the result of a fire drill.

Fire Drill Button

The Fire Drill button activates all programmed and non-disconnected indicating circuits, but does not transmit any alarms via the city tie or common alarm relay. The Fire Drill button may be programmed to operate specific indicating circuits. The fire drill is canceled either by pressing the Fire Drill button again (toggle switch) or if the panel goes into a real alarm.

System Reset Button

The System Reset button resets the panel and all circuits:

- Resets all Latching Trouble Conditions
- Resets 4-Wire Power Supply
- Turns off Signal Silence
- Stops and resets all Timers
- Aux Disconnect is not affected
- Resets all Initiating Circuits
- Turns off all Indicating (NACs) Circuits
- Turns off Fire Drill
- Processes inputs as new events
- Reset cannot be activated until the Signal Silence Inhibit timer has expired

ATTENTION: The System Reset can be global (all control panels) or by defined Node group (one or more Nodes) as programmed using the Nittan's NFU-CFG Configurator Software

Visual Indicator Test Button

Pressing and holding the Visual Indicator Test button causes all front panel indicators to illuminate and sounds the buzzer steadily. Bi-colored LEDs will illuminate twice to show both colors. If visual indicator test is active for more than one minute, the Common Trouble LED activates.

Configurable Switches/LEDs

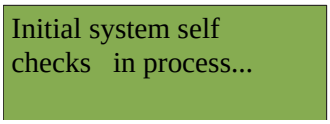
These two switches (or four switches for the Model NK-DISP-420 version) and LEDs can be used for any function listed in the Nittan's NFU-CFG Configurator Software. Such functions include Buzzer Silence, Auxiliary Disconnect, Total Evacuation, Bypass, System Inputs, and Fan Control.

Troubleshooting

Message	Code on Display	Description
Unconfigured CPU Trouble	Unconfigured LCD-3/ (Config. Mismatch)	This message appears when additional annunciators or loop adders are physically connected to the panel but are not programmed in the Configurator or are configured for the wrong address.
I/O Adder Mismatch Trouble	N*-EXP*-Adder* (Config. Mismatch)	This message displays when the hardwired adder modules are in the wrong order or the wrong quantity. If the number of physical hardwired adder modules does not match the number of modules listed in the configuration, the panel will display this message. It will also display this message if the adder modules are not connected.
Display Mismatch Trouble	Display Mismatch (Config. Mismatch)	This message displays when the number of display modules (NK-TZDS-48A, NK-FDX-8, and NK-IPS-24) connected to the panel do not match the number and the order of display modules listed in the configuration. Make sure the display modules are connected.
Unconfigured Device Trouble	N*-C*-L*-D* Unconfigured (Config. Mismatch)	This message displays when an analog device is physically installed but does not appear in the configuration program.
Printer Data Loss Trouble	Printer trouble (Config. Mismatch)	This message displays when a printer is configured but not physically connected to the panel and a message is sent to the printer. Pressing the System Reset button will clear this trouble.
Slave (NK-AN-LCD or NK-AN-LCDG) Configuration Address Mismatch Trouble	N*-C*-RAX (Missing Device)	This message displays when the address(es) of the configured slaves does not match.
Wrong Device Type	N*-C*-L*-D* (Config. Mismatch)	This message displays if the type of analog device does not match the type that is listed in the configuration program. For example, you will see this message if a heat sensor at address 013 is physically connected to the panel but the configuration program has address 013 listed as a photoelectric sensor (or vice versa).
Data Link Trouble	N*-C*-RAX (Missing Device)	This message displays when the panel has a communication error with a remote annunciator.
Program Version Mismatch (displayed on the NK-AN-LCD or NK-AN-LCDG only)	Card not supported	This message displays when the NK-AN-LCD or NK-AN-LCDG firmware version is not compatible with the NK-7000FAC firmware version.
Configuration Data Error (RAM)		This message displays if the system is overloaded and risks resetting itself. Reload the Configurator and/or reboot the system by powering it down and then powering it up.
Configuration Data Error (FLASH)		This message displays if the system is overloaded and risks resetting itself. If this error should occur, please report it to Nittan's Technical Support Department.
Circuit Trouble	Open circuit trouble Short circuit trouble	Normally when a circuit trouble occurs, its designated trouble indicator will be illuminated, as well as the Common Trouble indicator and Trouble buzzer. To correct the fault, check for open wiring on that particular circuit loop or see if the circuit disconnect switch is in the ON or CLOSED position.Note: disconnecting a circuit will cause a system trouble (off normal position).
Battery Trouble	Battery Trouble	Check for the presence of batteries and their condition. Low voltage (below 20.4V) will cause a battery trouble. If battery trouble condition persists, replace batteries as soon as possible.
Ground Fault	Ground Fault	The NFU-7000 panel has a Common Ground Fault Detector. To correct the fault, check for any external wiring touching the chassis or other earth ground connection.

Start Up

When the system is plugged in and the batteries are connected, the front display will show:



Let the system initialize for approximately one to two minutes.

Download the configuration at each Node using a laptop computer and Nittan's Configurator. Once all the Nodes have been downloaded, connect the network and select the Network Restart (see Page 32) at the CACF (Central Alarm and Control Facilities) or main node.

If there is an alarm, supervisory, trouble, or monitor condition in the system, pressing the appropriate queue button and holding [?] will display information on the cause of the alarm, supervisory, trouble, or monitor device activation.

Note: To display the configuration software version, press [M], then hold [?].

Passcodes

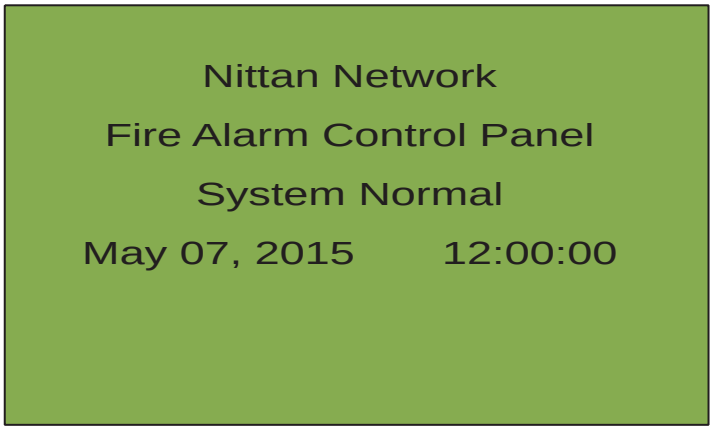
Use passcodes to restrict access to specific menu levels.

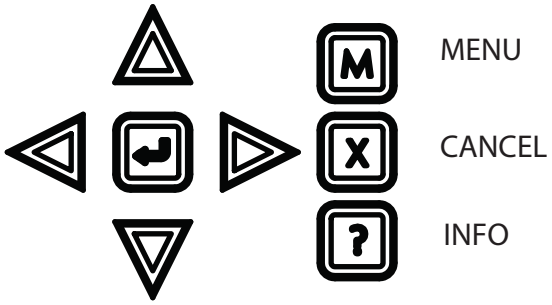
Entering passcodes at the panel

To enter passcodes, press the

- Alarm Queue button for the number 0
- Supv. Queue button for the number 1
- Trouble Queue button for the number 2
- Monitor Queue button for the number 3

Since there is no number available above three, your passcodes will consist of any combination of zero, one, two, and three (up to 20 digits).





THESE BUTTONS REPRESENT THE CORRESPONDING NUMBER IN THE MENU MODE

Factory Defaults

FROM THE FACTORY PASSCODES ARE:

Level 1: 1111

Level 2: 2222

Level 3: 3333

A passcode is not required for Level 0 access. Passcodes provide three different levels of menu access. Default passcode 1111 allows Level 1 Access. Default passcode 2222 allows Level 2 access. Default passcode 3333 allows Level 3 access.

ACCESS LEVELS FOR THE FOLLOWING FEATURES, ARE DEFINED (SET AT THE FACTORY) AS:

Reports: 0
Aux Bypass: 2
Device Bypass: 2
Node Bypass: 2
Zone Bypass: 2
Manual Ctrl Enable: 0
Manual Control: 2
Input Simulation.: 2
Walk Test: 2
Day/Night Mode: 0
Set Time: 1
Clear Event Log: 2
Network Restart: 0
Configuration: 2

Note: You can change these access levels and passcodes via the Nittan Configurator NFU-CFG.

Change Passcode

To change the passcode, you must use the Nittan Configurator software.

Menu Mode

Press the M button to activate the menu mode. The menu is broken down as follows:

Menu	Sub Menu	Description	How to Use
1. Reports	Alarm Log	View or print the Alarm Log.	See Page 12
	Event Log	View or print the Event Log.	See Page 12
	Current Levels	View or print the Nittan device Current Levels	SeePage 13
	Serial Code	View or print the Nittan device serial codes	See Page 14
	Pwr Src Report	View or print the Node Power Source Voltages	See Page 15
2. Bypass	Device/Circuit	Bypass/unbypass a Device/Circuit.	See Page 17
	Node	Bypass/unbypass a network Node.	See Page 18
	Relay disc	Disconnect/reconnect all relays.	See Page 19
	Input Zone	Bypass/unbypass an input zone.	See Page 20
	Node Outputs	Bypass/unbypass all Node outputs	See Page 21
3. Manual Control	N/A	Manually force an output	See Page 23
4. Input Simul.	N/A	Manually force an input	See Page 25
5. Walk Test	Audible Test	Perform an audible walktest.	See Page 26
	Silent Test	Perform a silent walktest.	See Page 27
6. Day/night mode	N/A	Select day or night mode.	See Page 28
7. Set time	N/A	Set the time.	See Page 30
8. Clear Event Log	Alarm Log	Clear the Alarm Log.	See Page 31
	Event Log	Clear the Event Log.	See Page 31
	All Logs	Clear all the logs.	See Page 31
9. Network Restart	N/A	Select this once system configuration download is completed.	See Page 32
10. Configuration	Config Info	Select this feature to view version of configurator firmware	See Page 33
	Select Version	Choose configuration version to upload (up to 3 available)	See Page 33

Note: If the Configurator has been used to program the “Manual Control Enable” option in the Command Menu, the Command Menu list above will appear differently than shown. Menu option 3 will read “Man Ctrl Enable” and “Manual Control” will move to menu option 4. All subsequent menu options will be renumbered sequentially. For more information on the “Manual Control Enable” option, see the section “Alternate Menu Option #3: Manual Control Enable” on Page 24.

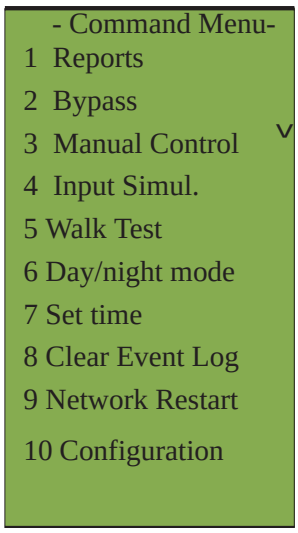
Front Panel Menu Operation

1. Reports Menu

Use the Reports Menu to view or print the Alarm Log, and Event Log. You can view on the screen or print directly to a printer connected to the panel, or to your laptop computer.

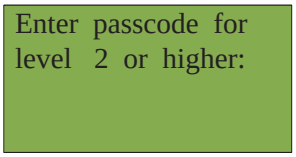
To enter the Reports Menu, you must be in the Command Menu. To enter the Command Menu, press M when the display is in normal mode.

Step 1: Select the Reports Menu



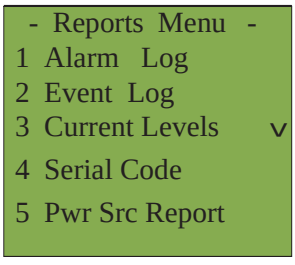
1. Use △ and ▽ to scroll the cursor to "Reports".
2. Press ↵ to select the Reports menu.

Step 2: Enter your passcode (if required)



Enter your passcode. *See Page 8 for instructions on entering passcodes.*

Step 3: Select the report you would like to view



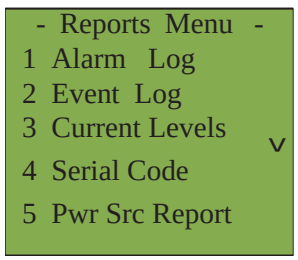
1. Use △ and ▽ to scroll the cursor through the menu.
2. Press ↵ to select an option.
3. Press X to exit and return to the Reports Menu. Repeat to exit to the Command Menu.

The following subsections provide instructions on using each Reports Menu option.

Alarm Log

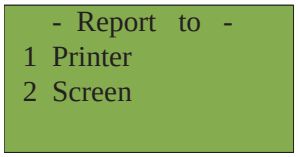
The Alarm Log reports on all alarm events. Alarm events are listed in order of the most recent event to the earliest. The maximum number of recorded alarm log entries is 1000. Once the system reaches 1000 entries, any new entry will cause the oldest entry to be deleted.

Step 1: Select the Alarm Log



1. Use △ and ▽ to scroll to “Alarm Log”.
2. Press ↵ to continue.

Step 2: Print or view the Alarm Log

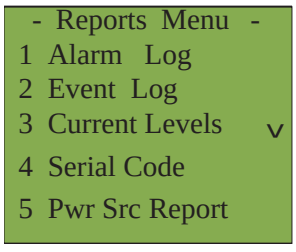


- To print the Alarm Log to the printer, press ↵ when the cursor flashes beside “Printer”.
- To view the Alarm Log on the screen, press ▽ then ↵ to select “Screen”.
- Use △ and ▽ to scroll the cursor through the log.
- Hold ? down for more information on the logged event.
- Press X to exit to the Reports Menu.

Event Log

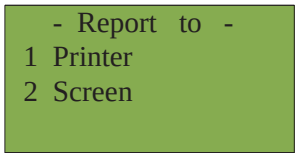
The Event Log reports on all events: alarms, troubles, and button pushes. Events are listed in order of the latest (most recent) event to the earliest. The maximum number of recorded event log entries is 6000. Once the system reaches 6000 entries, any new entry will cause the oldest entry to be deleted.

Step 1: Select the Event Log



1. Use △ and ▽ to scroll the cursor to “Event Log”.
2. Press ↵ to continue.

Step 2: Print or View the Event Log

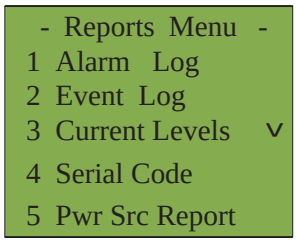


- To print the Event Log to the printer, press ↵ when the cursor flashes beside "Printer".
- To view the Event Log on the screen, press ▽ then ↵ to select "Screen".
- Use △ and ▽ to scroll the cursor through the log.
- Hold ? down for more information on the logged event.
- Press X to exit to the Reports Menu.

Current Levels

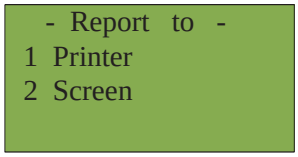
This option reports on the current levels of addressable devices.

Step 1: Select Current Levels



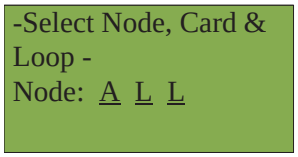
1. Use △ and ▽ to scroll the cursor to "Current Levels".
2. Press ↵ to select the Current Levels submenu.

Step 2: Print or View Current Levels

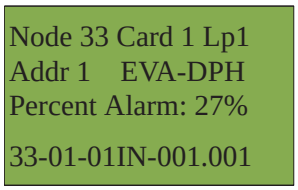


- To print the Current Levels report to the printer, press ↵ when the cursor flashes beside "Printer". Go to Step 3.
- To view the Current Levels log on the screen, press ▽ then ↵ to select "Screen". Go to Step 3.

Step 3: Select Node, Card and Loop number



- Select a Node, Card and Loop number by using ▲ and ▼ to scroll through the numbers.
- Select the Node or Card by pressing ↵ .
- Select the loop number by pressing ↵ . Use ▲ and ▼ to scroll the cursor through the Current Levels, if viewing on the screen.
- Press X to exit to the Reports Menu.



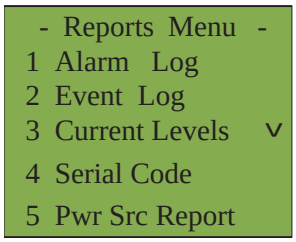
An example of the information displayed on screen:

The first and second line pinpoint the exact device. The percent alarm shows how close the device is to going into alarm: 0% is the least likely, and 80% is the most likely.

Serial Code

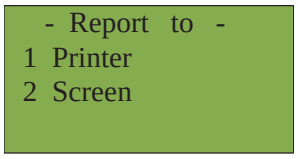
This option reports on the addressable device serial codes.

Step 1: Select Serial Code



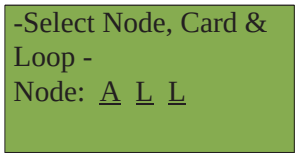
1. Use ▲ and ▼ to scroll the cursor to "Serial Code".
2. Press ↵ to select the Serial Code submenu.

Step 2: Print or View the Serial Code

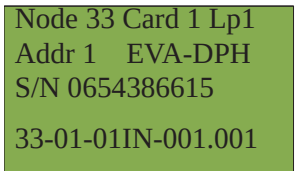


- To print the Serial Code report to the printer, press ↵ when the cursor flashes beside "Printer".
- To view the Serial Code report on the screen, press ▼ then ↵ to select "Screen".

Step 3: Select Node, Card and Loop number



- Select a Node, Card and Loop number by using ▲ and ▼ to scroll through the numbers.
- Select the Node or Card by pressing ↵ .
- Select the loop number by pressing ↵ . Use ▲ and ▼ to scroll the cursor through the Serial Code log, if viewing on the screen.
- Press X to exit to the Reports Menu.

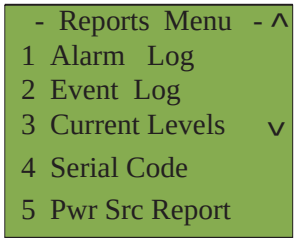


An example of the information displayed on screen:

Power Source Report (Pwr Src Report)

This option reports on the voltage level of the AC power input and battery.

Step 1: Select Pwr Src Report

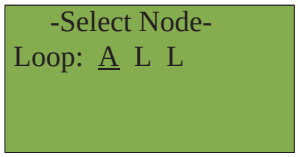


1. Use ▲ and ▼ to scroll the cursor to “Pwr Src Report”.
2. Press ↵ to continue.

Step 2: Print or View the Pwr Src Report

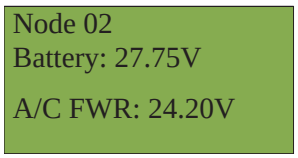
- To print the Pwr Src Report to the printer, press ↵ when the cursor flashes beside “Printer”.
- To view the power source voltages on the screen, press ▼ then ↵ when the cursor flashes beside “Screen”.

Step 3: Select Node



- Select a Node by using ▲ and ▼ to scroll through the numbers, then ↵ when the correct Node number appears.

Step 4: Pwr Src Report



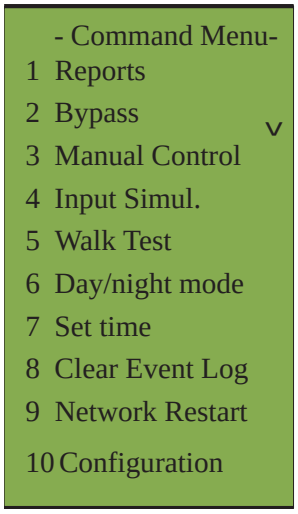
The voltages will be displayed as per this example

2. Bypass Menu

Use the Bypass Menu when you want to bypass or unbypass devices, hardware circuits, or outputs such as relays and signals.

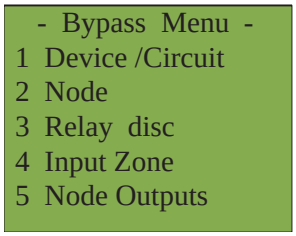
To enter the Bypass Menu, you must be in the Command Menu. To enter the Command Menu, press M when the display is in normal mode.

Step 1: Select the Bypass Menu



1. Use △ and ▽ to scroll the cursor to "Bypass".
2. Press ↵ to select the Bypass Menu.

Step 2: Select the option you would like to view



1. Use △ and ▽ to scroll the cursor through the Bypass Menu.
2. Press ↵ to select an option.

Press X to exit and return to the Bypass Menu. Repeat to exit to the Command Menu.

The following subsections provide instructions on using each Bypass Menu option.

Device / Circuit Bypass

Use this option if you want to bypass or unbypass a device or circuit from the panel. Usually this is done when you need to add, remove, repair, or investigate a device or circuit.

To unbypass the device or circuit, follow the same procedure for device/circuit bypass.

Step 1: Select Device / Circuit

```
 - Bypass Menu -
1 Device /Circuit
2 Node
3 Relay disc
4 Input Zone
5 Node Outputs
```

Press ↵ when the cursor is flashing beside "Device/Circuit" to select a device.

Step 2: Enter your passcode (if required)

```
Enter passcode for
level 1 or higher:
```

Enter your passcode. *See Page 8 for instructions on entering passcodes.*

Step 3: Select a Node, Card and Loop

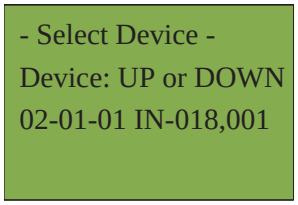
```
 - Select Device -
Node: 0 0
Card: 0 0 0

Loop: 0
```

1. Use △ and ▽ to scroll through the numbers.
2. Enter the Node number, then press ↵ .
3. Enter the Card number, then press ↵ .
4. Enter the Loop number, then press ↵ .

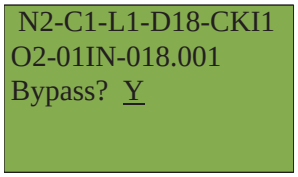
- Bypassing an addressable device, will be prompted to select a Node, Card, Loop and device.
- Bypassing a circuit on a Circuit Adder, will be prompted to select a Node, Circuit Expansion, Adder and Device.
- Bypass a NAC, will be prompted to select a Node and a NAC.

Step 4: Select the device/circuit to bypass/unbypass



1. Enter the device number, pressing ▲ and ▼ as needed to scroll through the devices.
2. Press ↵ to select the device/circuit.
3. The system now asks you whether or not you would like to bypass or unbypass the device. Use ▲ and ▼ to select "yes" or "no".
4. Press ↵ to continue.

Step 5: Bypass the device/circuit



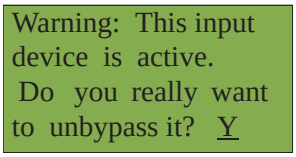
1. The system now asks you whether or not you would like to bypass or unbypass the device. Use ▲ and ▼ to select "yes" or "no".
2. Press ↵ to continue.

At this point the display will vary, depending on your choice:

- **If you selected "yes",** the system will display the message "Device/Circuit bypassed (unbypassed), then it will return to the Bypass Menu.
- **If you selected "no",** the system will display the message "Operation cancelled", then it will return to the Bypass Menu.

Unbypassing an active device/circuit

When you unbypass a device or circuit that went into alarm while it was bypassed, you will see the following message:



If you select "yes" to unbypass this device, the system will immediately go into alarm. To avoid this problem, press the System Reset button before unbypassing a device or circuit.

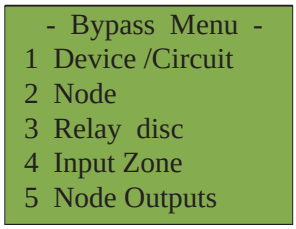
Node Bypass

WARNING: Bypassing a Node will disable the communication with the other Nodes.

Use this option if you want to bypass an entire Node.

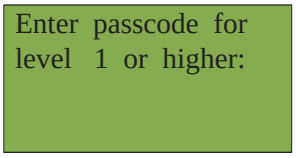
To unbypass the Node, follow the same procedures for Node bypass.

Step 1: Select Node Bypass



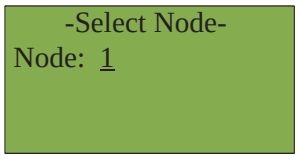
1. Use △ and ▽ to scroll the cursor to "Node".
2. Press ↵ to continue.

Step 2: Enter your passcode (if required)



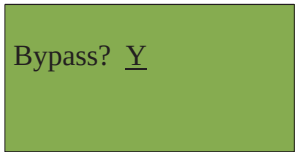
Enter your passcode. *See Page 8 for instructions on entering passcodes.*

Step 3: Select a Node number



1. Use △ and ▽ to select the Node number.
2. Press ↵ to continue.

Step 4: Bypass the Node



1. The system now asks you whether or not you would like to bypass or unbypass the Node. Use △ and ▽ to select "yes" or "no".
2. Press ↵ to continue.

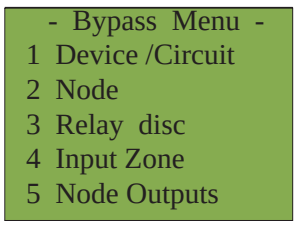
At this point the display will vary, depending on your choice:

- **If you selected "yes"**, the display will either show the message "Node bypassed" or "Node unbypassed", then return to the Bypass Menu.
- **If you selected "no"**, the display will show the message "Operation cancelled" and will then return to the Bypass Menu.

Relay Disconnect

This option is useful if you want to disconnect or reconnect the aux relays.

Step 1: Select Relay Disconnect



1. Use △ and ▽ to scroll the cursor to "Relay Disc".
2. Press ↵ to continue.

Step 2: Enter your passcode (if required)

Enter passcode for level 1 or higher:

Enter your passcode. *See Page 8 for instructions on entering passcodes.*

Step 3: Select "yes" or "no"

Common aux relays currently connected Disconnect? Y

1. The system now asks you whether or not you would like to bypass the aux relays. Use ▲ and ▼ to select "yes" or "no".
2. Press ↵ to continue.

At this point the display will vary, depending on your choice:

- **If you selected "yes"**, the display will either show the message "Relays disconnected" or "Relays reconnected", then it will return to the Bypass Menu.
- **If you selected "no",** the display will show the message "Operation cancelled", then it will return to the Bypass Menu.

Input Zone Bypass

This option is useful if you want to bypass any input zones. To unbypass an input, follow the same procedures for input bypass.

Step 1: Select Input Zone

- Bypass Menu -
1 Device /Circuit
2 Node
3 Relay disc
4 Input Zone
5 Node Outputs

1. Use ▲ and ▼ to scroll the cursor to "Input Zone".
2. Press ↵ to continue.

Step 2: Enter your passcode (if required)

Enter passcode for level 1 or higher:

Enter your passcode. *See Page 8 for instructions on entering passcodes.*

Step 3: Select Input Zone to bypass

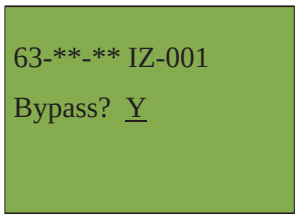
-Select Zone-
Node: 63

1. Use ▲ and ▼ to select the Node number.
2. Press ↵ to continue.

Node 63:UP or DOWN
63-**-**IZ-001

3. Use ▲ and ▼ to scroll the cursor to "Input Zone".
4. Press ↵ to continue.

Step 4: Select yes or no



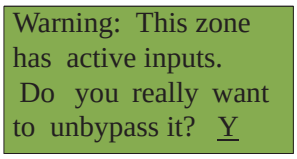
1. The system now asks you whether or not you would like to bypass or unbypass the input zone. Use △ and ▽ to select "yes" or "no".
2. Press ↵ to continue.

At this point the display will vary, depending on your choice:

- **If you selected "yes"**, the display will either show the message "Zone Bypassed" or "Zone Unbypassed", then it will return to the Bypass Menu.
- **If you selected "no",** the display will show the message "Operation cancelled", then it will return to the Bypass Menu.

Unbypassing an active input zone

When you unbypass an input zone that went into alarm while it was bypassed, you will see the following message:

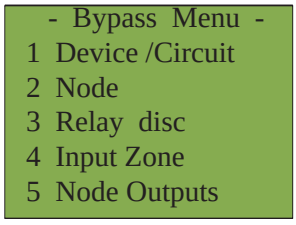


If you select "yes" to unbypass this input zone, the system will immediately go into alarm. To avoid this problem, press the System Reset button before unbypassing the input zone.

Node Ouputs Bypass

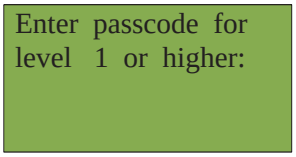
This option is useful if you want to bypass all the outputs of a Node. To unbypass the outputs of a Node, follow the same procedures for Node Outputs bypass.

Step 1: Select Node Output bypass



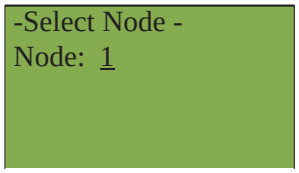
1. Use △ and ▽ to scroll the cursor to "Node Outputs".
2. Press ↵ to continue.

Step 2: Enter your passcode (if required)



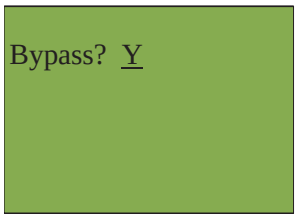
Enter your passcode. *See Page 8 for instructions on entering passcodes.*

Step 3: Select a Node



1. Use △ and ▽ to select the Node number.
2. Press ↵ to continue.

Step 4: Select yes or no



1. The system now asks you whether or not you would like to bypass or unbypass all the Node's outputs. Use  and  to select "yes" or "no".
2. Press  to continue.

At this point the display will vary, depending on your choice:

- **If you selected "yes"**, the display will either show the message "Node's Outputs Bypassed" or "Node's Outputs Unbypassed", then it will return to the Bypass Menu.
- **If you selected "no",** the display will show the message "Operation cancelled", then it will return to the Bypass Menu.

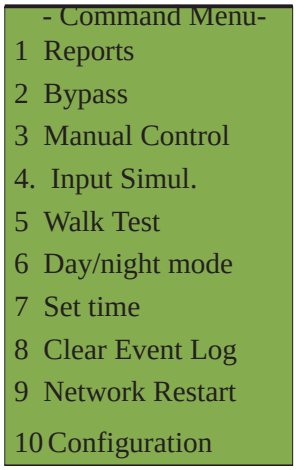
3. Manual Control

Use this option if you want to manually activate or deactivate outputs. To deactivate the output use the same procedure as activating the output, except select “Normal” in Step 4 or press the System Reset button.

Selecting Manual Control from the Command Menu

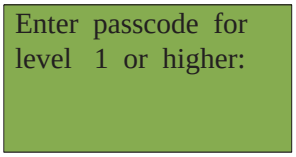
To select the Manual Control option, you must be in the Command Menu. To enter the Command Menu, press M when the display is in normal mode.

Step 1: Select Manual Control



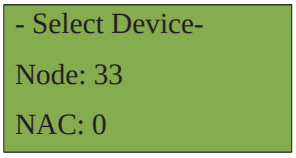
1. Use ▲ and ▼ to scroll the cursor to “Manual Control”.
2. Press ↵ to continue.

Step 2: Enter your passcode (if required)



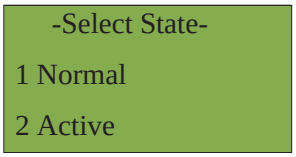
Enter your passcode. *See Page 8 for instructions on entering passcodes.*

Step 3: Select Output



1. Use ▲ and ▼ to scroll through the choices, press ↵ to make a selection.
2. Activating an Addressable Output device will prompt a select Node, Card, Loop and Device.
3. Activating a Circuit on an Output Circuit Adder will prompt a select Node, Circuit Expansion, Adder and Device.
4. Activating a NAC will prompt a select Node and NAC.

Step 4: Select State



1. Use ▲ and ▼ to scroll the cursor to “Active”.
2. Press ↵ to continue.

3. Alternate Menu Option #3: Manual Control Enable

Notes:

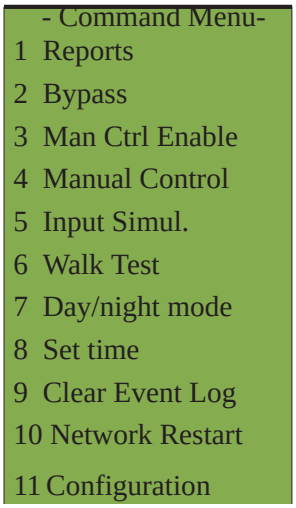
- You will see this option in the Command Menu only if your system has been programmed for Manual Control Enable.
- This feature does not change after a system reset.

This option provides security on the panel control buttons by requiring the user to enter a passcode or activate a key switch before a specific button will operate. This “manual control enable” feature is set up using the Configurator, and can affect any number of control buttons. Selecting the Enable Required option in the Command Menu or turning the key switch allows you to activate and deactivate this feature.

Selecting Manual Control Enable from the Command Menu

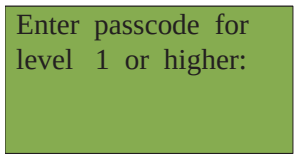
To select the Manual Control Enable option, you must be in the Command Menu. To enter the Command Menu, press [M] when the display is in normal mode.

Step 1: Select Manual Control Enable



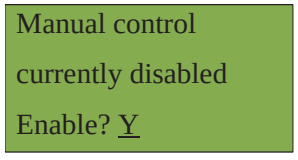
1. Use [△] and [▽] to scroll the cursor to “Man Ctrl Enable”.
2. Press [↵] to continue.

Step 2: Enter your passcode



Enter your passcode. *See Page 8 for instructions on entering passcodes.*

Step 3: Enable manual control



1. The system now asks you whether or not you would like to enable manual control. Use [△] and [▽] to select “yes” or “no”.
2. Press [↵] to make a selection.

The display will now show the message “Manual control enabled” while in normal mode, and the panel will be in a trouble condition. To check which annunciator manual control was enabled on, press the [?] button. To disable

manual control, follow the same steps outlined above.

Selecting manual control enable using a key switch

You can set up the Nittan NFU-7000 and NFU-7000-L to require the activation of a key switch instead of a passcode to enable manual control. Once the key switch is operated, the display will show the message “Manual control enabled” while in normal mode, and the panel will be in a trouble condition. To check which annunciator manual control was enabled on, press the [?] button. To disable manual control, reset the key switch.

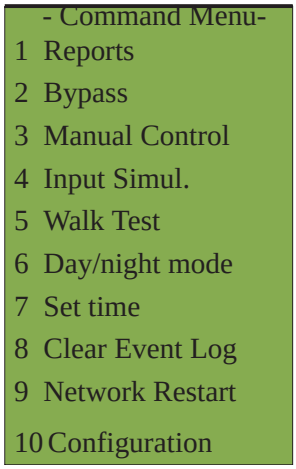
4. Input Simul.

This option allows an input to be manually activated. To deactivate the input, press the “System Reset” button.

Selecting Input Simul. from the Command Menu

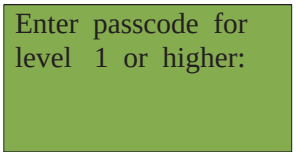
To select the input simulation option, you must be in the Command Menu. To enter the Command Menu, press [M] when the display is in normal mode.

Step 1: Select Input Simul



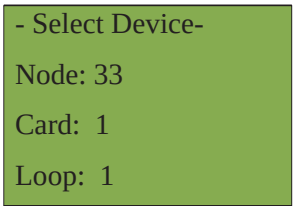
1. Use △ and ▽ to scroll the cursor to “Input Simul.”.
2. Press [↵] to continue.

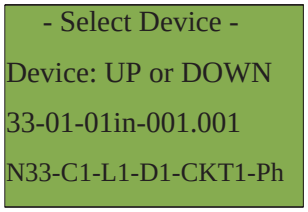
Step 2: Enter your passcode (if required)



Enter your passcode. *See Page 8 for instructions on entering passcodes.*

Step 3: Select Input





1. Use △ and ▽ to scroll through the choices, press [↵] to make a selection.
2. Activating an Addressable Input device will prompt a select Node, Card, Loop and Device.
3. Activating a Circuit on an Input Circuit Adder will prompt a select Node, Circuit Expansion, Adder and Device.

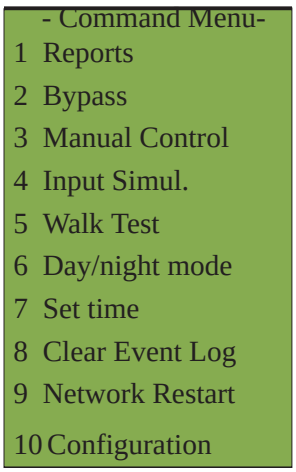
5. Walk Test

Use the Walk Test Menu when you want to test the devices in a system. Performing a walk test will place the system in trouble (non-latching). The Walk test will be aborted if no circuit activations are detected for one hour.

Notes:
- Walk test records that are printed to the screen will be stored in the alarm log.

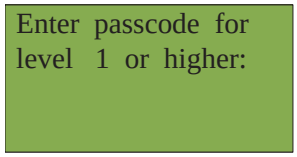
To enter the Walk Test Menu, you must be in the Command Menu. To enter the Command Menu, press M when the display is in normal mode.

Step 1: Walk Test



1. Use ▲ and ▼ to scroll the cursor to "Walk Test".
2. Press ↵ to continue.

Step 2: Enter your passcode (if required)



Enter your passcode. *See Page 8 for instructions on entering passcodes.*

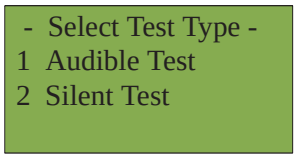
The subsections below provide instructions on using each Walk Test option:

Audible Test

During this test, alarm activation of any input device will activate all signals for one half second. Trouble activation on any input device will activate all signals continuously for one second.

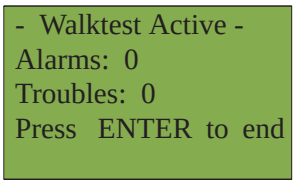
Note: Audible devices connected to an addressable output module will not sound in Audible Test mode.

Step 1: Select Audible Test



1. Use △ and ▽ to scroll the cursor to "Audible Test".
2. Press ↵ when the cursor flashes beside "Audible Test" to select the Audible Test. The test will now begin.

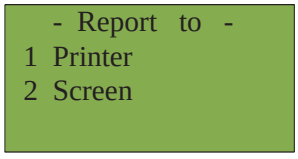
Step 2: View the Walk Test



As the test runs, the Alarms and Troubles count will increase as they are recorded (logged) during the Audible Test.

Press ↵ to end the walk test.

Step 3: Print or View the Walk Test Log

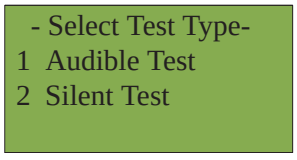


- To print the Walk Test Log to the printer, press ↵ when the cursor flashes beside "Printer".
- To view the walk test log on the screen, press ▽ then ↵ to select "Screen". Use △ and ▽ to scroll the cursor through the log.
- Hold ? down for more information on the logged event.
- Press X to exit to the normal system display and clear the Walk Test log.

Silent Test

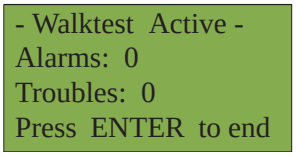
During this test, alarm and trouble activation of any input device will be recorded by the system but it will not sound the signals. For the system to register a trouble, you must keep the device in a trouble condition for 10 seconds.

Step 1: Select Silent Test



1. Use △ and ▽ to scroll the cursor to "Silent Test".
2. Press ↵. The test will now begin.

Step 2: View the Walk Test



As the test runs, the Alarms and Troubles count will increase as they are recorded (logged) during the Audible Test.

Press ↵ to end the Walk Test.

Step 3: Print or View the Walk Test Log

- To print the walk test log to the printer, press ↵ when the cursor flashes beside “Printer”.
- To view the walk test log on the screen, press ▽ then ↵ to select “Screen”. Use △ and ▽ to scroll the cursor through the log.
- Hold ? down for more information on the logged event.

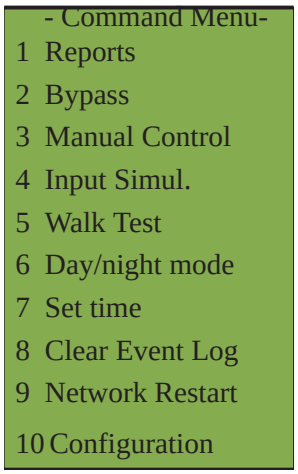
Press X to exit to the normal system display and clear the Walk Test log.

6. Day/Night Mode

Using the Configurator you can program day mode and night mode separately for different system sensitivity levels. Select the Day/Night mode option in the Command Menu if you would like to manually set the Day/Night mode.

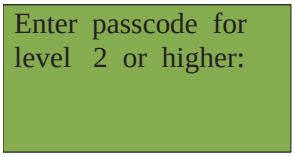
To enter the Day/Night Mode option, you must be in the Command Menu. To enter the Command Menu, press M when the display is in normal mode.

Step 1: Select Day/Night Mode



1. Use △ and ▽ to scroll the cursor to “Day/Night mode”
2. Press ↵ to continue.

Step 2: Enter your passcode (if required)



Enter your passcode. *See Page 8 for instructions on entering passcodes.*

Step 3: Select “yes” or “no”

Day/night mode set to auto day/night operation Change? Y	1. Use △ and ▽ to select “yes” or “no”. 2. Press ↵ to continue.

At this point the display will vary, depending on your choice:

- **If you selected “yes”**, continue to step 4.
- **If you selected “no”**, the display will show the message “Operation cancelled”, and then it will return to the Command Menu.

Step 4: Select Mode

- Select Mode - 1 Manual Daytime 2 Manual Night 3 Auto day/night	1. Use △ and ▽ to select “Manual Daytime”, “Manual Night”, or “Auto day/night”. 2. Press ↵ to continue.
Day/Night mode updated	The system will display this message and then return to the Command Menu.

Note: The panel will stay in the mode you select until you change it to another mode.

7. Set Time

Note: Select this option if you would like to set the time only.You must use the Configurator to change the date.

To enter the Set Time option, you must be in the Command Menu. To enter the Command Menu, press M when the display is in normal mode.

Step 1: Select Set Time

```
- Command Menu-
1 Reports
2 Bypass
3 Manual Control
4 Input Simul.
5 Walk Test
6 Day/night mode
7 Set time
8 Clear Event Log
9 Network Restart
10 Configuration
```

1. Press M to select the Command Menu.
2. Use △ and ▽ to scroll the cursor to “Set Time”.
3. Press ↵ when the cursor flashes beside “Set Time” to select the Set Time option.

Step 2: Enter your passcode (if required)

```
Enter passcode for
level 2 or higher:
```

Enter your passcode. *See Page 8 for instructions on entering passcodes.*

Step 3: Set the Time

```
- Change Time -
   12:08 PM
```

- Use △ and ▽ to change the time.
- Use ◁ and ▷ to move from hours, to minutes, to AM/PM.
- When you are finished, press ↵ to continue.
- The system will display the message “Time updated” and return to the Command Menu.

8. Clear Event Log

Select this option if you would like to clear the Alarm Log, Event Log, or all the logs.

To enter the Clear Event Log option, you must be in the Command Menu. To enter the Command Menu, press M when the display is in normal mode.

Step 1: Select Clear Event Log

```
- Command Menu-
1 Reports
2 Bypass
3 Manual Control
4 Input Simul.
5 Walk Test
6 Day/night mode
7 Set time
8 Clear Event Log
9 Network Restart
10 Configuration
```

1. Use △ and ▽ to scroll the cursor to "Clear Event Log".
2. Press ↵ to continue.

Step 2: Enter your passcode (if required)

```
Enter passcode for
level 2 or higher:
```

Enter your passcode. *See Page 8 for instructions on entering passcodes.*

Step 3: Select the log to clear

```
- Select Log -
1 Alarm Log
2 Event Log
3 All Logs
```

```
Are you sure you
want to clear all
the entries in the
selected log(s)? Y
```

- Use △ and ▽ to select the log you would like to clear and press ↵ to continue.
- Use △ and ▽ to select "yes" or "no".
- Press ↵ to continue.
- The system will display the messages "Please stand-by erasing log..." and "Log(s) cleared" and will return to the Command Menu.

9. Network Restart

Use the Network Restart after downloading the Nittan configuration.

To select the Network Restart, you must be in the Command Menu. To enter the Command Menu,

press M when the display is in normal mode.

Step 1: Select Network Restart

```
- Command Menu-
1 Reports
2 Bypass
3 Manual Control
4 Input Simul.
5 Walk Test
6 Day/night mode
7 Set time
8 Clear Event Log
9 Network Restart
10 Configuration
```

1. Use △ and ▽ to scroll the cursor to "Network Restart".
2. Press ↵ to continue.

Step 2: Enter your passcode (if required)

```
Enter passcode for
level 1 or higher:
```

Enter your passcode. *See Page 8 for instructions on entering passcodes.*

Default is no passcode required.

Step 3: Select "yes" or "no"

```
Are you sure you
want to reboot
whole network (all
nodes and CPUs)? Y
```

1. Use △ and ▽ to select "yes" or "no".
2. Press ↵ to continue.

At this point the display will vary, depending on your choice:

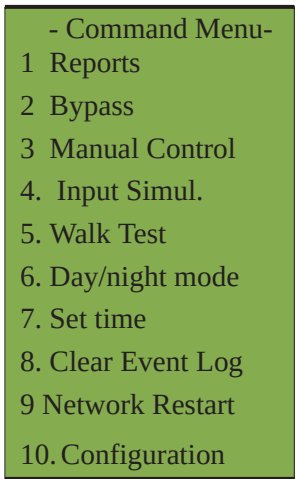
- **If you selected "no"**, the display shows the message "Operation cancelled", then it will return to the Command Menu.
- **If you selected "yes"**, the system begins a reset and the display shows:

```
Initial system self
checks in process ...
Version 1.0.1
```

10. Configuration

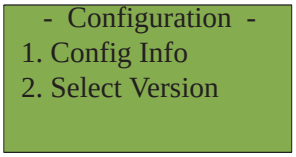
Select this option if you would like to view the information regarding the configuration in the system and to select the version of the configuration (up to 3) you would like to upload.

Step 1: Select Configuration

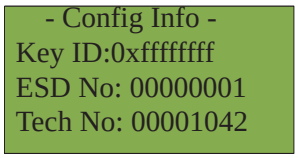


1. Use △ and ▽ to scroll the cursor to "Configuration".
2. Press ↵ to continue.

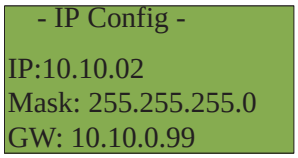
Step 2: Select Config Info



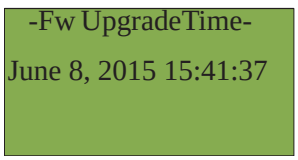
- Use △ and ▽ to select the Config Info.
- Press ↵ to continue.



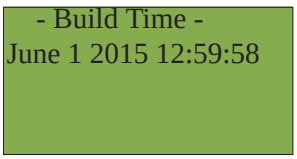
The display will show the following while in Configuration Info mode. Use △ to go to the next display.



The display will show the following while in IP Configuration mode. Use △ to go to the next display.

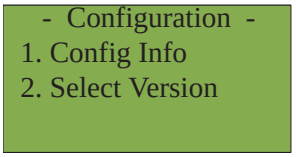


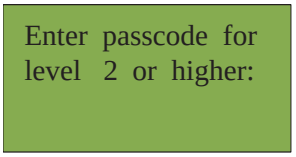
The display will show the Firmware Upgrade Time. Use △ to go to the next display.



The display will show the Build Time. Use ▽ to scroll through the four displays of Config Info in the opposite direction. Press X to exit and return to the Command Menu.

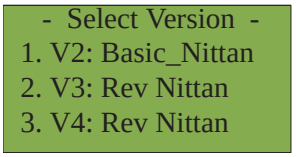
Step 3: Choose Select Version for Configuration Upload





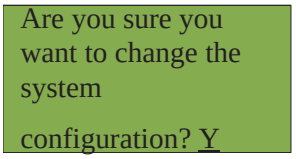
- Repeat “Step 1: Select Configuration” and continue with this Step 3.
- Use △ and ▽ to choose “Select Version”.
- Press ↵ to continue.
- Enter passcode (if required).

Step 4: Select the Configuration to Upload



- Use △ and ▽ to select the which version of configuration (up to 3 versions) you wish to upload.
- Press ↵ to download the version.

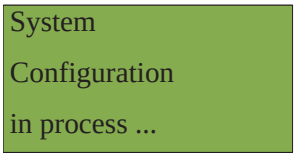
Step 5: Select “yes” or “no”



- Use △ and ▽ to select “yes” or “no”.
- Press ↵ to continue.

At this point the display will vary, depending on your choice:

- If you select “no”, the display shows the message “Operation Cancelled”, then it will return to the Command Menu.
- If you select “yes”, the system begins the upload of the configuration and the display shows:



Warranty

1 Nittan warrants to the customers that:

(a) all products supplied hereunder will be of merchantable quality and will comply with any specification agreed between Nittan and customer.

(b) it is not aware of any rights of any third party in the market which would or might render the sale of the products, or the use of any of the trade marks on or in products, or the use of any of the trade marks on or in relation to the products, unlawful.

2 In the event of any breach of Nittan's warranty in Clause 1(a) whether by reason of defective materials, production faults or otherwise, Nittan's liability shall be limited to:

(a) replacement of the products in question; or

(b) at Nittan's option, repayment of the price where this had been paid.

And the warranty period is three (3) years from the shipment from Nittan's factory.

3 Notwithstanding anything to the contrary in this warranty terms, Nittan shall not be liable to the customer by reason of any representation or implied warranty, condition or other term or any duty at common law, or under the express terms of this warranty terms, for any consequential loss or damage whether for loss of profit or otherwise and whether occasioned by the negligence of Nittan or its employees or agents or otherwise, arising out of or in connection with any act or omission of Nittan relating to Nittan or supply of the products, their use by any customer.

Customer shall indemnify Nittan against all loss, damages, liabilities, costs and expenses which Nittan may suffer or incur as a result of or in connection with any breach by customer of this warranties terms or any laws or regulations of any jurisdiction or any rules of any governing authorities.

NITTAN

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