



GE NX587e Partition Status Module Application Guide

Description

This module is used in conjunction with the NX587e Interface module to provide detailed status about a particular zone.

Supported Processors

This module is supported on any 2-series or 3 series processor with a bidirectional RS-232 port. This module is not supported on systems utilizing one-way serial.

This module is only supported when used with the GE NX587e Interface Module. It will not function as a stand alone module.

| Compatibility | | | Processor Requirements | |
|--|--|---|---|--|
|  2-Series Compatible |  NOT CNMSX Compatible |  NOT System Builder Compatible |  Ethernet NOT NEEDED |  Compact Flash NOT NEEDED |

Module Application

Connection

Connect the partitionX_status\$ output of the Interface Module to this module's partition_staus_in\$ input.

Status Only

This module provides status of the corresponding partition; the NX587e does not provide a method of directly controlling an individual zone or partition; all partition controls are accomplished using keypad functions as if you were using a native NX148E keypad.

Module Synchronization

The NX-587E reports selected events in an unsolicited manner, that is polling is not required during normal use. When the program reboots or if the NX-587E or alarm system is disconnected or loses power, it is necessary to poll the NX-587E (using the NX587 interface module) to obtain the current system status.

If the NX-587E is connected directly to the processor or if the cable connecting the NX-587E to the processor, connecting the "CTS" digital signal from the serial port to the [enable_module_(reboot_finished)] digital input on the module will automatically resynchronize the module to the current state of the NX-587E if it were to become disconnected or if power was cycled.

Signal and Parameter Descriptions

Bracketed signals such as “[signal_name]” are optional signals

DIGITAL INPUTS

This module does not utilize any digital inputs

ANALOG INPUTS

This module does not utilize any analog inputs.

SERIAL INPUTS

partition_status_in\$ Connect to zoneX_status\$ output of NX587e interface module.

DIGITAL OUTPUTS

[partition_ready_fb] High when the partition is ready to be armed (generally, all zones are ready or bypassed)
[partition_armed_fb] High when the partition is armed (either stay or away)
[partition_chime_fb] High when chime mode is active for the corresponding zone.
[partition_entry_delay_fb] High when the entry delay is active
[partition_exit_period_fb] High when the exit delay is active
[partition_previous_alarm_fb] High when an alarm has previously occurred in the corresponding partition.
[partition_siren_on_fb] High when the siren is active for the corresponding partition.
[partition_stay_mode_fb] High when the partition is in stay mode. Note: Depending on the specific security system and configuration a partition may be explicitly be armed in stay mode (e.g. by pressing the “Stay” button) OR if armed “Away” and no exit zone is violated, will automatically arm in Stay mode.

ANALOG OUTPUTS

This module does not utilize any analog outputs.

SERIAL OUTPUTS

This module does not utilize any serial outputs.

PARAMETERS

This module does not utilize any parameters.

Support

This module is supported by ControlWorks Consulting, LLC. Should you need support for this module please email support@controlworks.com or call us at 440-449-1100. ControlWorks normal office hours are 9 AM to 5 PM Eastern, Monday through Friday, excluding holidays.

Before calling for support, please ensure that you have loaded and tested operation using the included demonstration program and touchpanel(s) to ensure that you understand the correct operation of the module. It may be difficult for ControlWorks to provide support until the demonstration program is loaded.

Updates, when available, are automatically distributed via Email notification to the address entered when the module was purchased. In addition, updates may be obtained using your username and password at <http://www.controlworks.com/customerlogin.aspx> .

Distribution Package Contents

The distribution package for this module should include:

| | |
|---|---|
| GE_NX587E_Interface_v2.umc | Crestron User Module for keypad control. Also distributes data to the partition module and zone module. |
| GE_NX587E_Partition_Status_v2.umc | Crestron User Module partition status |
| GE_NX587E_Zone_Status_v2.umc | Crestron User Module zone status |
| GE_nx587_demo_xpanel_v2.vtp | Demo X PANEL |
| GE_nx587_demo_program_v2.smw | Demo program for PRO2 processor |
| GE_NX587e_Interface_Module_Help_v2.pdf | Help file for interface module |
| GE_NX587e_Partition_Status_Module_Help_v2.pdf | Help file for partition status module |
| GE_NX587e_Zone_Status_Module_Help_v2.pdf | Help file for zone status module |

Revision History

V1 lincoln@controlworks.com 2010.09.27

-Initial release

V2 caleb@controlworks.com 2011.12.13

No changes to this module in v2.

Development Environment

This module version was developed on the following hardware and software. Different versions of hardware or software may or may not operate properly. If you have questions, please contact us.

| GE Hardware | Hardware Version |
|-----------------------------|-------------------------|
| NX-587E | Unknown |
| | |
| Crestron Hardware | Firmware Version |
| Crestron MC3 Processor | 1.002.0000 |
| Crestron PRO2 Processor | 4.003.0010 |
| Software | Software Version |
| Crestron SIMPL Windows | 3.02.14 |
| Crestron Vision Tools Pro-e | 4.4.28 |
| Crestron Database | 28.05.017.00 |
| Device Database | 17.05.009.00 |
| Crestron Device Library | 760 |
| | |

ControlWorks Consulting, LLC Module License Agreement

Definitions:

ControlWorks, *We*, and *Us* refer to ControlWorks Consulting, LLC, with headquarters located at 701 Beta Drive, Suite 22 Mayfield Village, Ohio 44143-2330. *You* and *Dealer* refer to the entity purchasing the module. *Client* and *End User* refer to the person or entity for whom the Crestron hardware is being installed and/or will utilize the installed system. *System* refers to all components described herein as well as other components, services, or utilities required to achieve the functionality described herein. *Module* refers to files required to implement the functionality provided by the module and may include source files with extensions such as UMC, USP, SMW and VTP. *Demo Program* refers to a group of files used to demonstrate the capabilities of the Module, for example a SIMPL Windows program and VisionTools Touchpanel file(s) illustrating the use of the Module but not including the Module. *Software* refers to the Module and the Demo Program.

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Provision of Support

We provide limited levels of technical support only for the most recent version of the Module as determined by Us. We do not provide support for previous version of the module, modifications to the module not made by Us, to persons who have not purchased the module from Us. In addition, we may decline to provide support if the Demo Program has not been utilized. We may withdraw a module from sale and discontinue providing support at any time and for any reason, including, for example, if the equipment for which the Module is written is discontinued or substantially modified. The remainder of your rights and obligations pursuant to this license will not be affected should ControlWorks discontinue support for a module.

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You may not decrypt (if encrypted), reverse engineer, modify, translate, disassemble, or de-compile the Module in whole or part. You may modify the Demo Program. In no event will ControlWorks Consulting, LLC be liable for direct, indirect, incidental or consequential damages resulting from You modifying the Software in any manner.

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ControlWorks, in its sole and absolute discretion may refuse to provide support for the application of the Module in such a manner that We feel has the potential for property damage, or physical injury to any person. Dealer shall indemnify and hold harmless ControlWorks Consulting LLC, its employees, agents, and owners from any and all liability, including direct, indirect, and consequential damages, including but not limited to personal injury, property damage, or lost profits which may result from the operation of a program containing a ControlWorks Consulting, LLC Module or any component thereof.

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