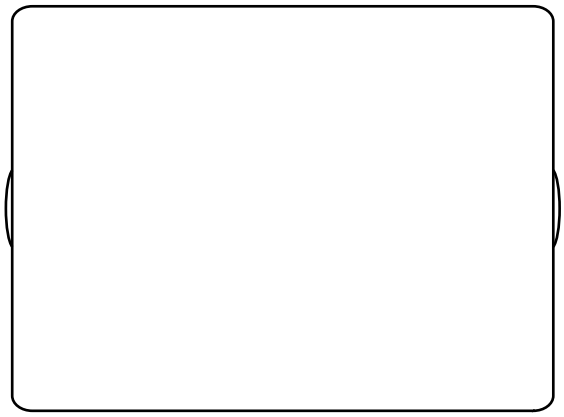
SYSTXNNRCT01
Remote Access Module for Communicating System Controls

Product Data



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Remote Access Module

The communicating system Remote Access Module, part number SYSTXNNRCT01 adds further convenience, ease of use, and peace of mind to the power of the communicating control for the owner of this leading residential HVAC system.

Remote access and Internet connection of the newer generation communicating systems (Series B or higher) is provided through the Wi-Fi versions of those products.

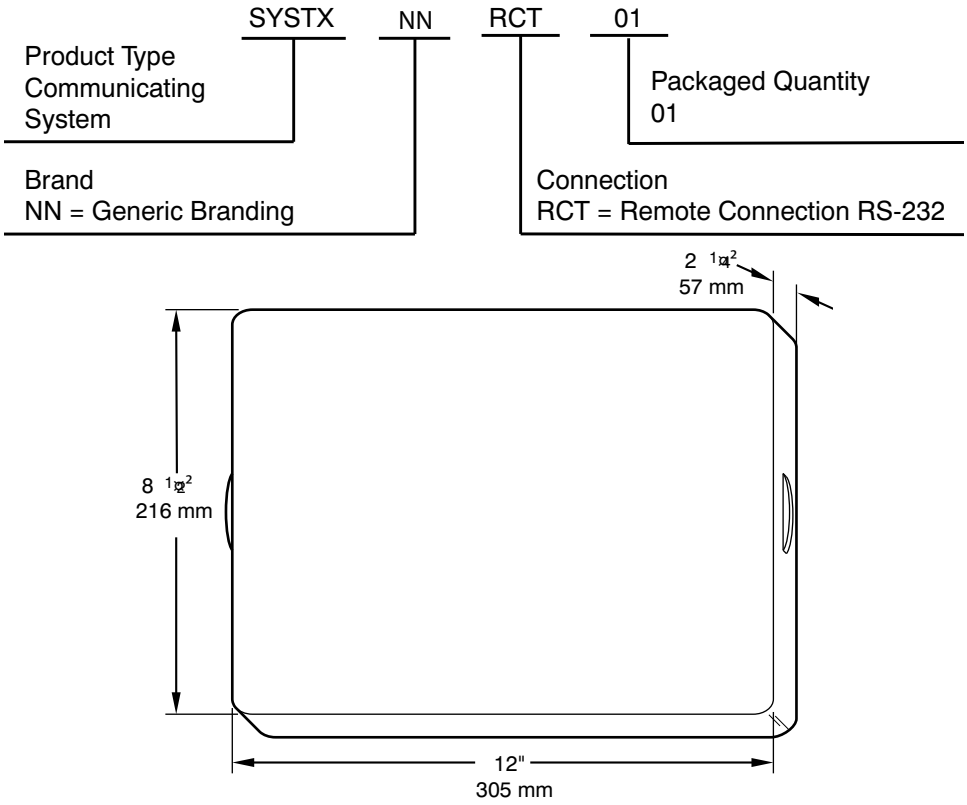
Industry Leading Features / Benefits

The Remote Access Module uses state of the art technology to connect your communicating system control to a third party Home Automation system. This version is compatible with older communicating controls but does not supply a Wi-Fi connection like previous models.

Remote Access Module provides the following features for series B or newer communicating systems:

- One Remote Access Module can handle up to two communicating systems
- 3-wire installation into the communicating system communication bus
- Optional sensing port for float switches, alarms, etc.,
- Home Automation system interface capabilities through the included EIA RS-232 port. Communicate information through an open ASCII protocol.

Model Number Nomenclature



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Product Data Information

Applications

See the detailed application information provided in the latest version of the Installation Instructions and the SAM Remote Access Application Specification BEFORE selecting for any application.

This Remote Access Module is not to be used for previous generation communicating systems using the older wall controls requiring Wi-Fi capability from the Remote Access Module, which was available on previous models of the Remote Access Module.

The Remote Access Module provides an interface to Home Automation systems, utilizing the RS-232 serial port connection.

This Remote Access module is used only for Home Automation systems, utilizing the RS-232 serial port connection.

NOTE: See the latest version of the SAM Remote Access Application Specification, available on HVACpartners, for more details on the home automation interface.

Compatible Products

Requires Series B or higher of the communicating system control. The Remote Access Module provides an interface to home automation systems through the RS-232 communication port.

The Remote Access Module may be used with communicating wall controls, with software Version 08 or later, for home automation interface applications through the RS-232 communication port, only. Remote access is provided with the Wi-Fi versions of these products.

Home Automation Application

YOUR USE OF THE ASCII/RS-232 COMMUNICATION PORT ("ASCII PORT") IS AT YOUR SOLE RISK. ANY DATA OR INFORMATION DOWNLOADED OR OTHERWISE OBTAINED THROUGH THE USE OF THE ASCII PORT IS ACCESSED AT YOUR OWN DISCRETION AND RISK. YOU WILL BE SOLELY RESPONSIBLE FOR ANY MALFUNCTION OF, DAMAGE TO, OR INCOMPATIBILITY WITH YOUR COMPUTER SYSTEM, THE COMMUNICATING SYSTEM EQUIPMENT OR SYSTEM CONTROL, ANY THIRD PARTY DEVICE, OR OTHER HARDWARE, FIRMWARE OR SOFTWARE THAT RESULTS FROM YOUR USE OF THE ASCII PORT AND THE SAM REMOTE ACCESS APPLICATION SPECIFICATION.

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b. MAKE NO WARRANTY THAT (i) THE ASCII PORT WILL BE ERROR-FREE; (ii) THE QUALITY OF ANY INFORMATION OR OTHER MATERIAL OBTAINED BY YOU WILL MEET YOUR EXPECTATIONS; AND (iii) ANY ERRORS WILL BE CORRECTED; AND

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Interface between the communicating system and a home automation system is accomplished through the RS-232 communication port of the System Access Module (part number SYSTXNNRCT01, in conjunction with third-party software/hardware. Developing and supporting the home automation interface is the responsibility of the third-party home automation supplier. Refer to the latest version of the SAM Remote Access Application Specification, available through www.HVACpartners.com, for more information. The copyrighted application specification may be given to any home automation supplier to aid in their development of the interface between their system and the communicating system.

Physical Characteristics

Dimensions: See drawing

Appearance: Plastic, white colored, textured

Electrical Characteristics

Input power: 24VAC, 40VA provided via an independent power source. An accessory 24VAC transformer is available to order through Replacement Components (SYSTXNNXFM01). DO NOT power the SAM through the communicating system power supply.

The Remote Access Module utilizes a three-wire (ABC) connection to the communicating system communication bus. There are ABC communication ports to support two communicating systems provided. It is recommended that the following color code be used when wiring:

A - Green = Data A

B - Yellow = Data B

C - White = 24VAC (Common)

NOTE: The D wire (24vac power) from the communication bus should NOT be connected to the SAM.

The Ethernet port conforms to industry standards for Ethernet connections, utilizing an RJ-45 connector for the physical interface.

The detailed RS-232 communication port specifications are provided in the latest version of the SAM Remote Access Application Specification, available on www.HVACpartners.com. In general, the SAM has a female, DB-9 connector that contains standard +/-9V EIA RS-232 RxD, TxD, and GND connections. The SAM is configured as a subset DCE (Data Circuit-terminating Equipment) device.

Wiring Requirements

Input power: 24VAC, 40VA provided via an independent power source. An accessory 24VAC transformer is available to order through Replacement Components (SYSTXNNXFM01). The power supply is wired into the 24VAC+ and 24VAC- terminals on the Remote Access Module. DO NOT connect the power supply to the 3-wire communication connection (ABC) or connect to any other ABC(D) terminal on the communicating system.

Communicating System Connection: Wire the ABC communication port(s) to the communicating system communication bus(es). DO NOT connect the (D) wire from the communicating system to the Remote Access Module. See Installation Instructions for details.

Wiring material: Standard thermostat wire,18 to 20 AWG, for power and the ABC communication bus.

Environmental Requirements

Operating Temperature/Relative Humidity

Remote Access Module: 32°F / 0°C to 104°F / 40°C, 95% rh, non-condensing

Storage Temperature/Relative Humidity

Remote Access Module: -40°F / -40°C to 134°F / 57°C, 95% rh, non-condensing

Equipment

Description	Ordering Number
Remote Access Module	SYSTXNNRCT01

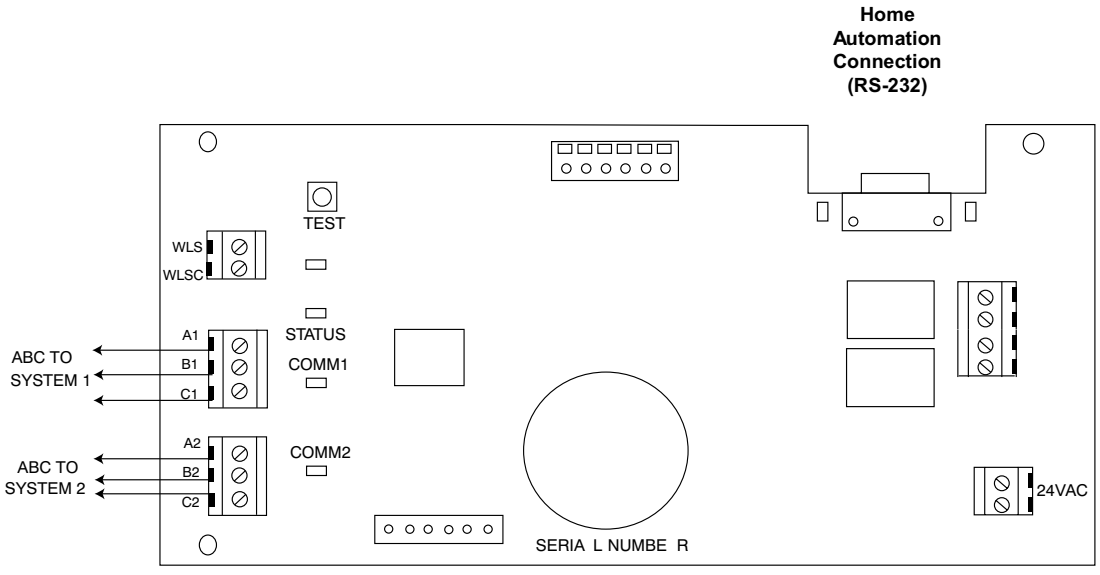

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Fig. 1 – Remote Access Control Board

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Catalog No: SS-SYSTXNNRCT-02

A Carrier Company

Replaces: SS-SYSTXNNRCT-01

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.