User Group Programming

BACnet

* New User Group Programming has been added to our high security build 1021 software.
* This feature is particularly designed for easy management of large multi-node systems with multiple departments, and multiple types of users.
* Create permissions and node/department assignments at the group level and automatically propagate them to all of the users in the group.

* Rees Scientific is capable of acting as a BACnet server and/or a BACnet client over any TCP/IP compatible network.
* Clients will be able to utilize Rees functionality without duplicating sensors and infrastructure.
* The Rees System can read any BACnet compatible sensor while the BMS (Building Management System) is actively communicating with the device.
* Has the ability to transfer data to and from the BMS.
* Connect sensors to the Rees System for validated compliance and use them from the BMS for a cost effective solution.

Rees Scientific

As part of our continual goal to keep your system and software safe and reliable, Rees Scientific has integrated additional features to our 1021 software. Our latest software provides BACnet compatibility, new User Group Programming, Extended Departments and better security. Make your software, modules and web more manageable and secure with our latest software upgrade.

* This upgrade allows departmentalization of com watch and battery alarms.
* It permits trouble alarms to be added to deparments which can then trigger remote audible alarms.
* Departmentally restricted logins will only see the trouble alarms that are assigned to their own department.
* Trouble alarms affected by this include the Node Power alarm, the DatabaseWatch alarm, the BuddyWatch alarm, and all CommWatch and BatteryWatch alarms.
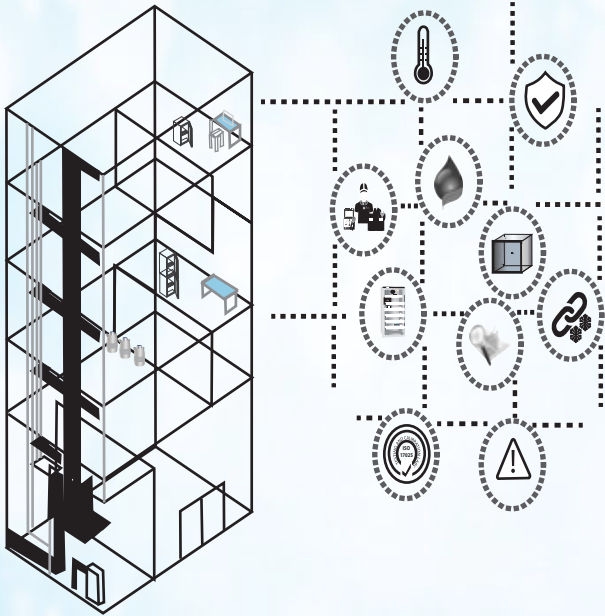
* Enhanced TLS1.2 encryption and security upgrade.
* Reduce dangers of ransomware viruses and protect data privacy.
* Comprehensive Web System security upgrade to prevent hacking.

Extended Departments
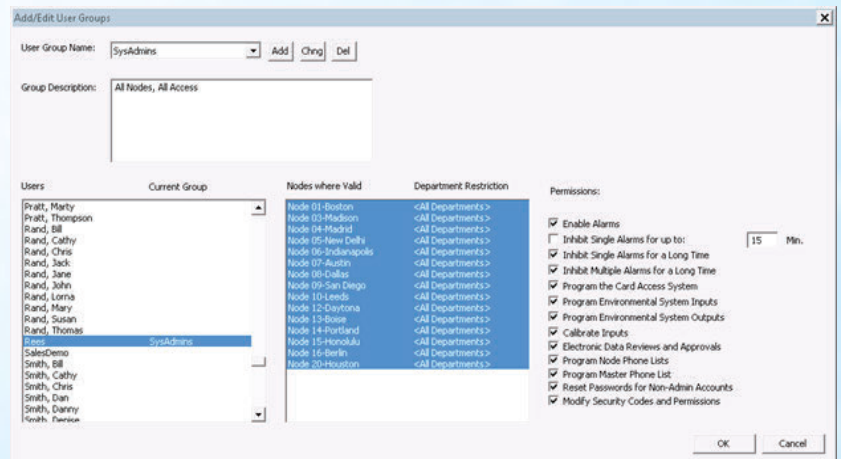
Security Upgrades

SECURITY

BACnet

In the server capacity, the Rees Scientific system presents ALL of its inputs, including trouble alarms, to other BACnet compatible systems over the network for read only. The following BACnet properties are available to be read by the other system: Object-name, Description , Analog Inputs, Trouble Alarm Inputs (Node power, DatabaseWatch, BuddyWatch, ComWatch and BatteryWatch) , Units , High-limit, Low limit and status flags (Alarm status, overridden, out of service).
No additional wiring is required and licensing simply needs to be activated.

User Group Programming

Create a user group with an easy-to-remember name, and description. Select the users that should belong to the group, and the node/department combinations in to which group members are assigned. Lastly, select the permissions that the users in the group should have. The system will automatically iterate through all the selected users and nodes to make the desired programming changes.

Security Upgrades

* Upgraded database client permits TLS1.2 enhanced security.
* Cross-Site Request Forgery (CSRF) Protection.
* Click-jacking Protection
* Weak ciphers have been disabled.
* Passwords are not sent in Ajax query strings.
* TRACE/TRACK method has been turned off.
* Upgraded Apache, OpenSSL, and Jquery