Documentation for Control IQ

Relating to:	**ControlIQ User Interface and Processing Engines**
Date:	**August 28, 2015**
Program Revision:	**Version 4.0 (**and newer)
Subject	**Network Firewall and Security Settings**

Part of the benefits for SAI enterprise products is the ability to have remote access to your information for backup, archival and support issues. SAI is mindful of the security needs of your company and have put together this policy statement regarding connectivity between our primary servers and our systems installed at your facility. Firewalls come in many configurations and your IT staff should be provided with this document for them to determine how to achieve this security level on your specific firewall.

SAI uses the entire Class C IP Address of 64.31.78.2 / 23 (255.255.254.0) for customer support, updates, database storage and archive. All network communications coming from us will be initiated by this IP address (the "source" IP)

On the customer side, the SAI provided systems must be accessible from the source IP range listed above, and the clients IP must be static (not dynamic). For firewall purposes this is known as the "destination" IP. 123.123.123.123 is used for this example.

SAI's products running at the customers site uses a number of TCP/UDP "Ports" to talk to. These are the "destination" ports for the communications.

Inbound Ports

Port 80 – WWW (world wide web) [Optional]
This is used to provide access to the customer's information "site". This is the primary displaying and reporting port, and is the same as you would normally use going to www.USAToday.com or www.CNN.com. This port only needs to be opened if you want your personnel to be able to connect to, and control the system from outside your network.

Outbound Ports (SAI) [Required]

Port 80 – WWW Used for web services calls to our servers (64.31.78.x)

Port 443 – HTTPS Used for secure web browsing

Windows Firewall (SAI) [Required]

Windows Firewall on the ControlIQ Server PC is to be configured so users can not browse the internet. You will be able to run locally installed applications on the ControlIQ Server, remotely access ControlIQ from other workstations and via your mobile devices.