

KMD-5540-003 York Gateway Interface

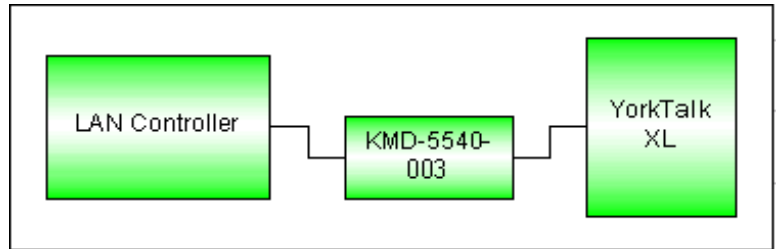
Issued April 28, 2005

Issue

Setup and configuration of the KMD-5540-003 York Gateway Interface

Instructions

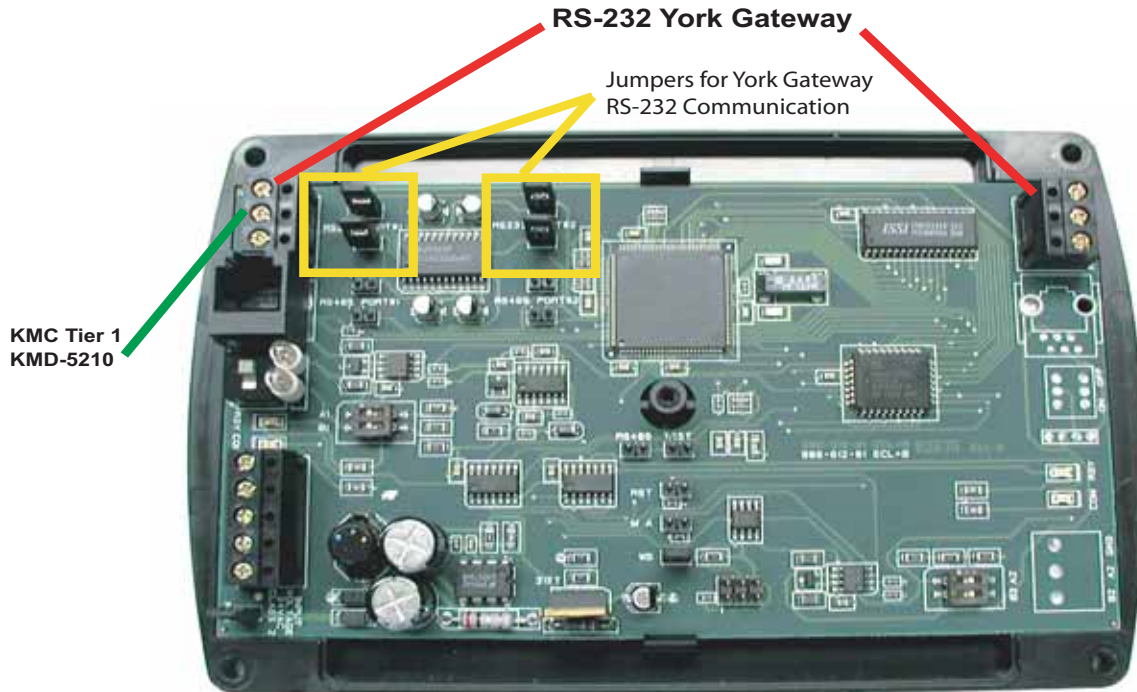
This version of the KMD-5540 Series CommTalk is designed to work with a KMD-5210 Series LAN Controller connected on the PC Port and interfacing to a 3rd party device.



NOTE: York Gateway requires WinControl XL or WinControl XL Plus to configure interface.

Jumper Configuration:

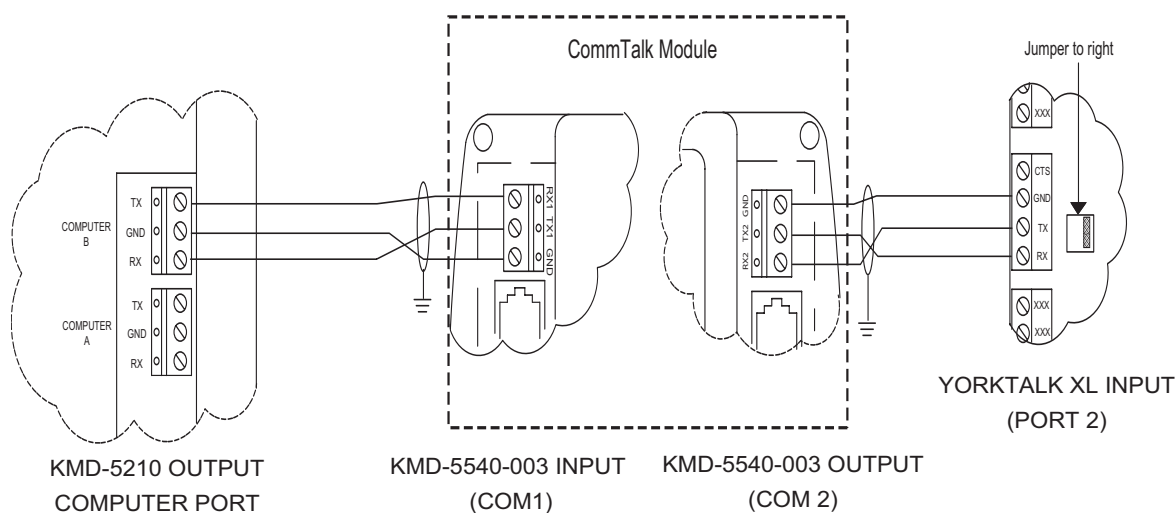
Configure for communication on COM1 (left side of board) and COM2 (right side of board). The KMD-5540-003 communicates via a RS-232. Internal jumpers are factory set to RS-232 communication for proper connection to the Gateway device.



NOTE: A slow, intermediate flash (approx. 5 second intervals) on the Com LED indicates requests by the KMD-5540 are not being answered. A rapid, constant flash indicates normal data exchange.

Hardware Connection:

When using RS-232 communications, terminal RX at the York Gateway device connects to the TX2 terminal and terminal TX connects to the RX2 terminal on KMD-5540-003 (COM2).



KMDigital Label Definitions for York Variables:

- a. All letters must be UPPERCASE.
- b. The first 2 digits (##) are the node number.

NOTE: The node address must be padded with a leading '0' if less than two digits. The York technician on-site will have assigned these numbers to the York devices.

- c. The next 3 characters 'YRK' identify the York label.
- d. The last 3 characters are the 'WRITE' function or the 'READ' page value.

NOTE: These values are on the "YorkTalk REPORT LISTING" sheet you received from York.

- e. A NEW label may be created without turning off the KMD-5540-003 device.

'Write Only Values' are written to the York Chiller when the value changes.

- a. The write only values allow the user to change setpoints and the off/on status of the chiller. To read these values the page number for that point must be read.
- b. The write only values do not have descriptors, ranges, values or labels written back to the LAN Controller.

Examples:	01YRKSTA	- Chiller #1 Stop / Start
	01YRKLCH	- Chiller #1 Leaving Chilled Water Setpoint
	01YRKRLS	- Chiller #1 Remote Load Setpoint
	99YRKSTA	- Chiller #99 Stop / Start
	99YRKLCH	- Chiller #99 Leaving Chilled Water Setpoint
	99YRKRLS	- Chiller #99 Remote Load Setpoint

'Read Only Values' are periodically read from the York Chiller.

The read only values have descriptors, values, and labels written back to the LAN Controller.

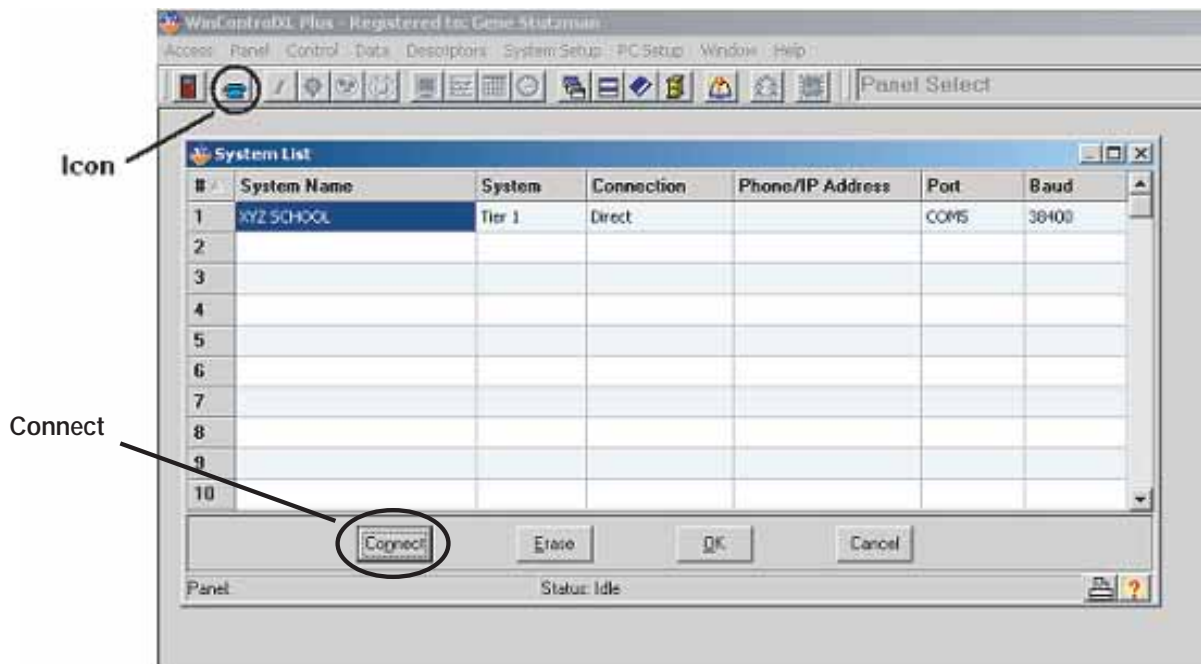
Examples: 01YRKP01 - Chiller #1 Page 01 value
 01YRKP84 - Chiller #1 Page 84 value
 99YRKP01 - Chiller #99 Page 01 value
 99YRKP84 - Chiller #99 Page 84 value

CAUTION: While changing an existing label, or range of a read only value, the KMD-5540-03 should be turned off. Otherwise the original label / range may be overwritten.

York Gateway Points Installation:

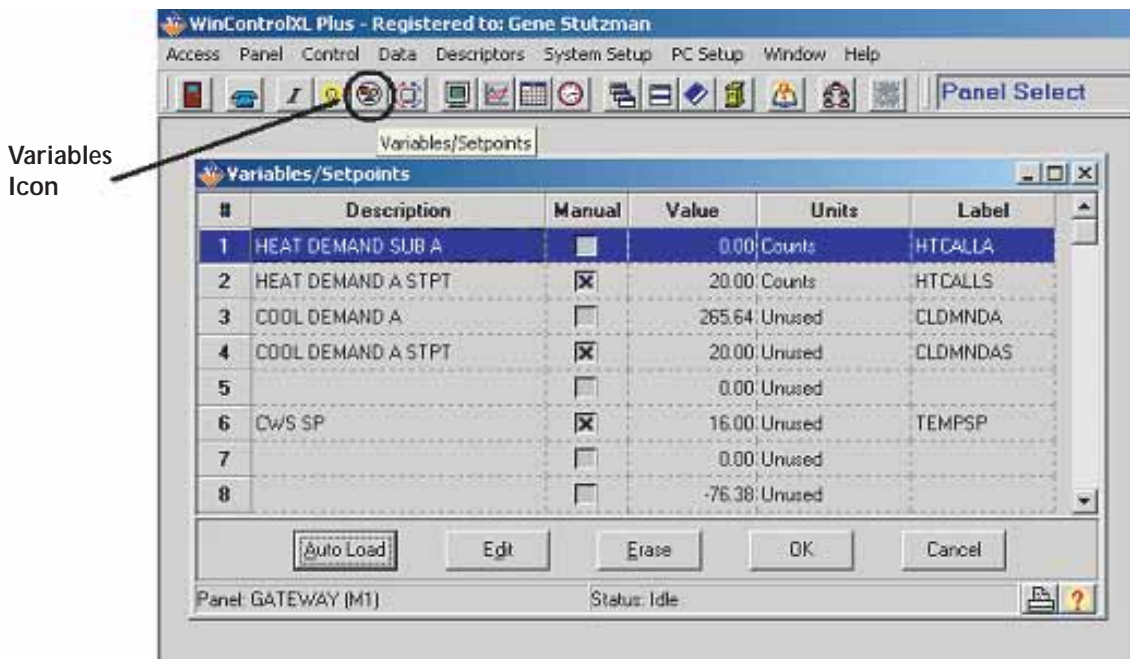
NOTE: You must have WinControl to install the York Gateway Points.

- 1) Open WinControl and click the telephone icon in the Tool Bar at the top of the page to access the System List.



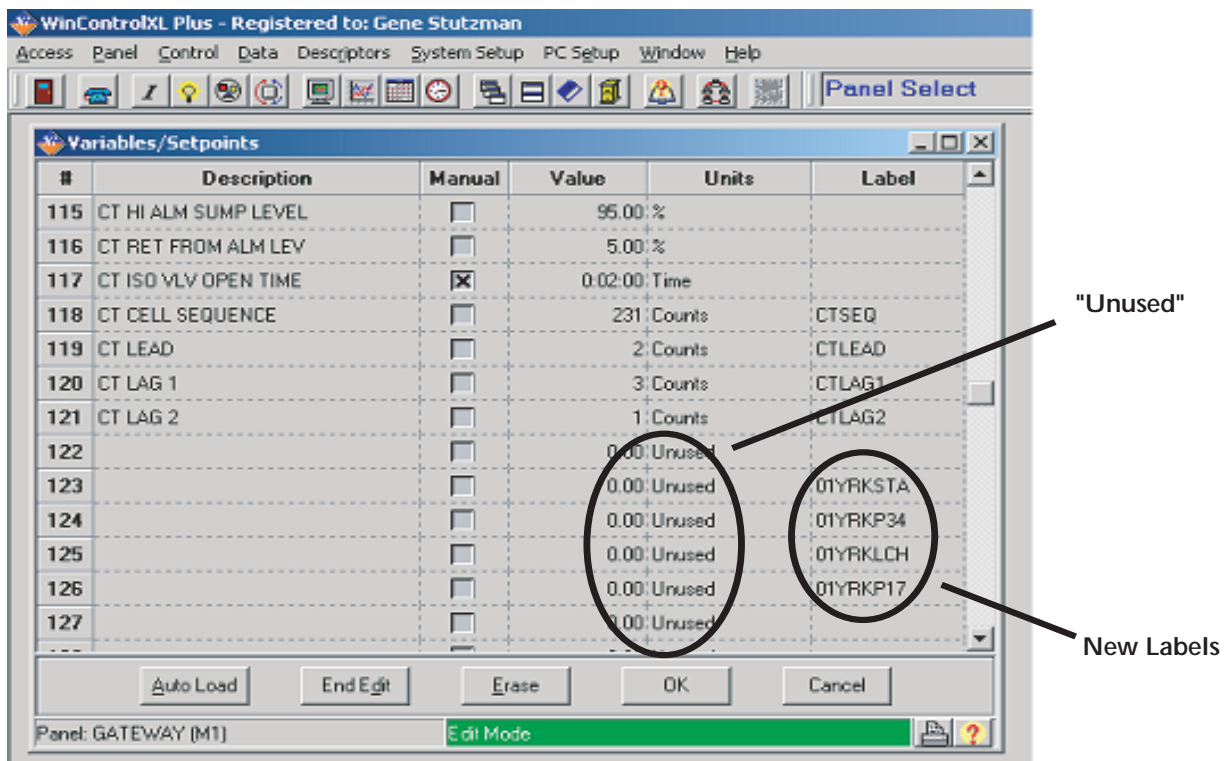
- 2) Highlight the appropriate *System Name* and click **Connect** to access the KMD System. A Password window will appear.
- 3) Enter the password you received in A.I.C. training and click **OK**. A blank WinControl screen will appear.

- 4) Click the Variables icon on the Tool Bar to open the Variables window.



NOTE: You may see previous entries from your LAN controller if you have other programming in the LAN.

- 5) Click the **Edit** button and scroll down to a row where the *Units* column is marked "Unused" and the *Description* column is blank. Enter the desired Label from the "YorkTalk REPORTING LIST".

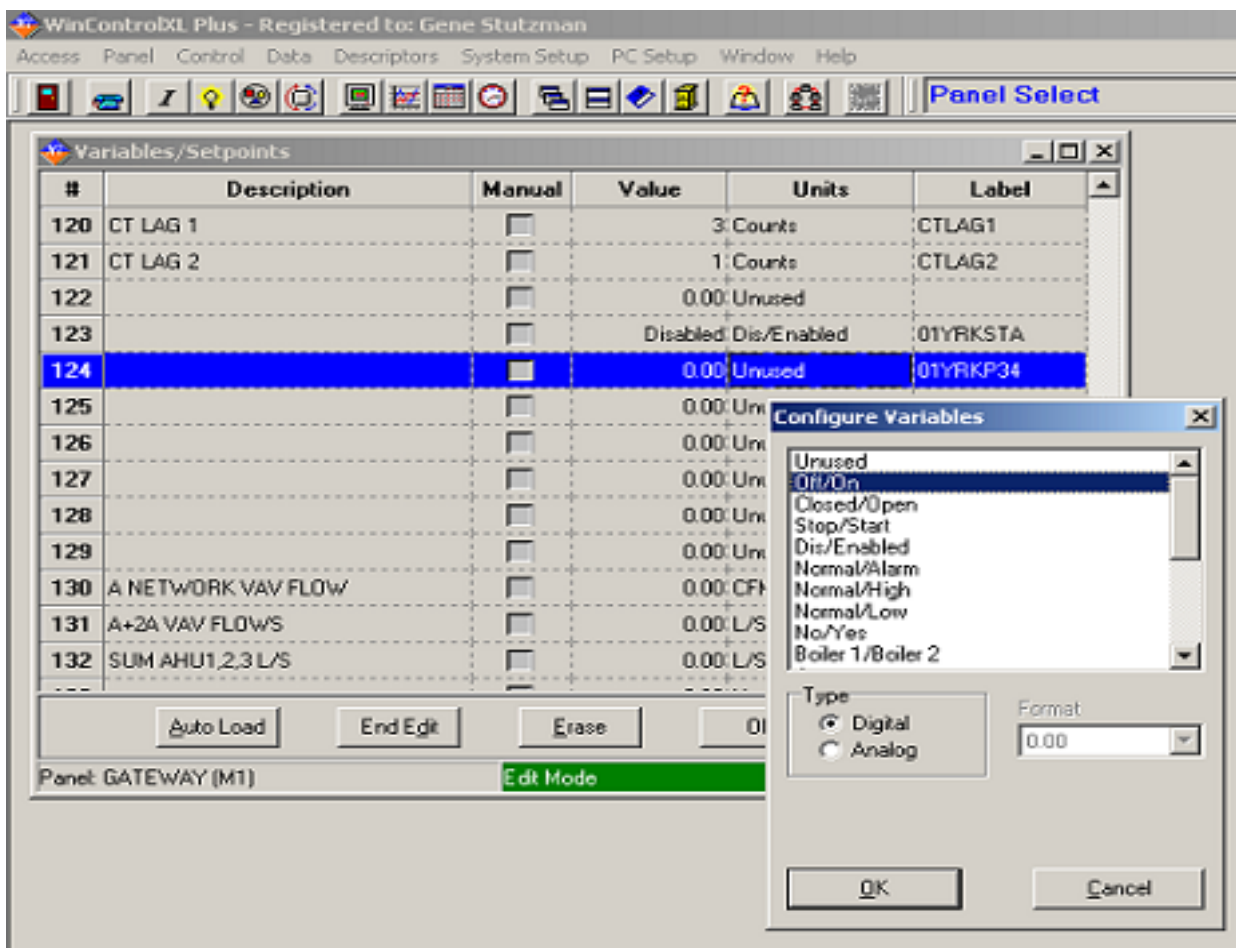


NOTE: As soon as you click the **Edit** button, it will change to **End Edit**.

- 6) Click the row of your new *Label* in the *Units* column. The *Configure Variables* window will appear.
- 7) Click the Type (Digital or Analog), highlight the appropriate unit, and click **OK**.

NOTE: Both the *Type* and *Units* are determined by referring to the "YorkTalk REPORTING LIST" under columns *TYPE* and *NAME* respectively.

NOTE: It is advised that you enter both the *Label* and the *Units* for each *Label* at the same time. This prevents backtracking and saves installation time.



NOTE: If the value is digital but a digital unit has not been chosen, the Units will default to a digital range of 'OFF/ON'. If the value is analog but an analog unit has not been chosen, the Units will default to an analog range of "Unused".

OPTIONAL: You may choose to 'lock' a value by clicking the check-box in the Manual column. When this box is marked with an 'X' the controller cannot change the data in the *Value* column.

- 8) After all labels have been entered or edited, click **Auto Load**, **End Edit**, or **OK** to complete the process.
- ◆ **Auto Load** - writes the labels and begins refreshing the screen every 10 seconds.
 - ◆ **End Edit** - writes the labels and refreshes the screen once.
 - ◆ **OK** - writes the labels and closes the window.

