

MODBUS / Yorktalk Points Map

This map applies to all York Chillers using a Modbus Microgateway

REV E

12.08.2003

| NOTE | COMMUNICATIONS MODE: MODBUS RTU | This document should be submitted with the appropriate YORKTALK Points Listing |
|------|---|--|
| 1 | All the data points that are selected using Quick Start are of the type signed integer. That is, S is set for 3 when the point is X10 and 2 when the point is X1. | |
| 2 | In the case of the optional York Talk 2 Slave unit , the Modbus addresses will start in the 0100 range, eg: 0101, 0102, 0103,....etc, scaling will match the Master unit . | |
| 3 | York Talk 1 Scaling is entered automatically by the system, the selection of the York Talk 1 option must still however be performed manually by the York technician. | |
| 4 | Contact your Local York Controls Representative for the appropriate Chiller YORKTALK Type | |
| 5 | Contact your Local York Controls Representative for the appropriate YorkTalk Points Description Listings | |
| 6 | If Quickstart address 240 is invoked by the York technician, the scaling values on pages 32 and 33 will effectively change to Divide by 10.(Actually the Range is set to a IN LO= 0 HI=1000, OUT LO=0 HI=100). | |
| 7 | Modbus communications default is 9600 baud, EVEN parity, 8 data bits, 1 stop bit | |
| 8 | | |
| 9 | | |
| 10 | | |

LINE
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TALK
POINTS
LISTING
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PAGE #



| SCALING TABLES BASED ON CHILLER YORKTALK TYPE | | | | | | | | | | | | |
|---|--------------------------|-----------------------------------|----------------------------------|-------------------|------------------------|--------------------------------------|--------------------------------------|------------------------------|------------------------------|------------------------------|---|--------------------|
| ENG Page Ref | Chiller Point Type | Modbus Data Types Supported | Modbus Functions Supported | Modbus Address | York Talk 1 Scaling | York Talk 2 1200 Scale Scaling | York Talk 2 4800 Scale Scaling | York Talk 3 YK Scaling | York Talk 3 YT Scaling | York Talk 3 YS Scaling | YORK TALK POINT LIST DESCRIPTION | ENG Page Ref |
| | | | | (see note 2) | (see notes 3,4,6) | (see note 4,6) | (see note 4,6) | (see note 4,6) | (see note 4,6) | (see note 4,6) | (see note 5) | |
| P03 | Analog Input | 4X | 03, 06, 16 | 0001 | Div 10 | Div 10 | Div 10 | Div 10 | Div 10 | Div 10 | See appropriate York Talk points listings | P03 |
| P04 | Analog Input | 4X | 03, 06, 16 | 0002 | Div 10 | Div 10 | Div 10 | Div 10 | Div 10 | Div 10 | See appropriate York Talk points listings | P04 |
| P05 | Analog Input | 4X | 03, 06, 16 | 0003 | Div 10 | Div 10 | Div 10 | Div 10 | Div 10 | Div 10 | See appropriate York Talk points listings | P05 |
| P06 | Analog Input | 4X | 03, 06, 16 | 0004 | Div 10 | Div 10 | Div 10 | Div 10 | Div 10 | Div 10 | See appropriate York Talk points listings | P06 |
| P07 | Digital Input | 0X, 4X | 01, 03, 05, 15, 06, 16 | 0061 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P07 |
| P08 | Digital Input | 0X, 4X | 01, 03, 05, 15, 06, 16 | 0062 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P08 |
| P09 | Digital Input | 0X, 4X | 01, 03, 05, 15, 06, 16 | 0063 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P09 |
| P10 | Digital Input | 0X, 4X | 01, 03, 05, 15, 06, 16 | 0064 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P10 |
| P11 | Analog Output | 3X, 4X | 03, 04 | 0005 | X 10 | X 10 | X 10 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P11 |
| P12 | Analog Output | 3X, 4X | 03, 04 | 0006 | X 10 | X 10 | X 10 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P12 |
| P13 | Analog Output | 3X, 4X | 03, 04 | 0007 | X 10 | X 10 | X 10 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P13 |
| P14 | Analog Output | 3X, 4X | 03, 04 | 0008 | X 10 | X 10 | X 10 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P14 |
| P15 | Analog Output | 3X, 4X | 03, 04 | 0009 | X 10 | X 10 | X 10 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P15 |
| P16 | Analog Output | 3X, 4X | 03, 04 | 0010 | X 10 | X 10 | X 10 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P16 |
| P17 | Analog Output | 3X, 4X | 03, 04 | 0011 | X 10 | X 10 | X 10 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P17 |
| P18 | Analog Output | 3X, 4X | 03, 04 | 0012 | X 10 | X 10 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P18 |
| P19 | Analog Output | 3X, 4X | 03, 04 | 0013 | X 10 | X 10 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P19 |
| P20 | Analog Output | 3X, 4X | 03, 04 | 0014 | X 1 | X 10 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P20 |
| P21 | Analog Output | 3X, 4X | 03, 04 | 0015 | X 10 | X 10 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P21 |
| P22 | Analog Output | 3X, 4X | 03, 04 | 0016 | X 10 | X 10 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P22 |
| P23 | Analog Output | 3X, 4X | 03, 04 | 0017 | X 10 | X 10 | X 1 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P23 |
| P24 | Analog Output | 3X, 4X | 03, 04 | 0018 | X 1 | X 10 | X 1 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P24 |
| P25 | Analog Output | 3X, 4X | 03, 04 | 0019 | X 10 | X 10 | X 1 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P25 |
| P26 | Analog Output | 3X, 4X | 03, 04 | 0020 | X 1 | X 1 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P26 |
| P27 | Analog Output | 3X, 4X | 03, 04 | 0021 | X 10 | X 10 | X 10 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P27 |
| P28 | Analog Output | 3X, 4X | 03, 04 | 0022 | X 10 | X 10 | X 10 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P28 |
| P29 | Analog Output | 3X, 4X | 03, 04 | 0023 | X 10 | X 10 | X 10 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P29 |
| P30 | Analog Output | 3X, 4X | 03, 04 | 0024 | X 10 | X 10 | X 10 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P30 |
| P31 | Analog Output | 3X, 4X | 03, 04 | 0025 | X 10 | X1 | X1 | X 1 | X 10 | X 10 | See appropriate York Talk points listings | P31 |
| P32 | Analog Output | 3X, 4X | 03, 04 | 0026 | X 1 (see note 6) | X 1 (see note 6) | X 1 (see note 6) | X 1 (see note 6) | X 1 (see note 6) | X 1 (see note 6) | See appropriate York Talk points listings | P32 |
| P33 | Analog Output | 3X, 4X | 03, 04 | 0027 | X 1 (see note 6) | X 1 (see note 6) | X 1 (see note 6) | X 1 (see note 6) | X 1 (see note 6) | X 1 (see note 6) | See appropriate York Talk points listings | P33 |
| P34 | Analog Output | 3X, 4X | 03, 04 | 0028 | X 1 | X 10 | X 10 | X 10 | X 10 | X 1 | See appropriate York Talk points listings | P34 |
| P35 | Analog Output | 3X, 4X | 03, 04 | 0029 | X 1 | X 10 | X 10 | X 10 | X 10 | X 1 | See appropriate York Talk points listings | P35 |
| P36 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0065 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P36 |
| P37 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0066 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P37 |
| P38 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0067 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P38 |
| P39 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0068 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P39 |
| P40 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0069 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P40 |
| P41 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0070 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P41 |
| P42 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0071 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P42 |

| ENG Page Ref | Chiller Point Type | Modbus Data Types Supported | Modbus Functions Supported | Modbus Address | York Talk 1 Scaling | York Talk 2 1200 Scale Scaling | York Talk 2 4800 Scale Scaling | York Talk 3 YK Scaling | York Talk 3 YT Scaling | York Talk 3 YS Scaling | YORK TALK POINT LIST DESCRIPTION | ENG Page Ref |
|--------------------|--------------------------|-----------------------------------|----------------------------------|-------------------|------------------------|--------------------------------------|--------------------------------------|------------------------------|------------------------------|------------------------------|---|--------------------|
| | | | | (see note 2) | (see notes 3,4) | (see note 4) | (see note 4) | (see note 4) | (see note 4) | (see note 4) | (see note 5) | |
| P43 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0072 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P43 |
| P44 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0073 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P44 |
| P45 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0074 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P45 |
| P46 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0075 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P46 |
| P47 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0076 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P47 |
| P48 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0077 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P48 |
| P49 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0078 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P49 |
| P50 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0079 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P50 |
| P51 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0080 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P51 |
| P52 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0081 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P52 |
| P53 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0082 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P53 |
| P54 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0083 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P54 |
| P55 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0084 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P55 |
| P56 | Analog Output | 3X, 4X | 03, 04 | 0030 | X 1 | X 1 | X 1 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P56 |
| P57 | Analog Output | 3X, 4X | 03, 04 | 0031 | X 1 | X 1 | X 1 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P57 |
| P58 | Analog Output | 3X, 4X | 03, 04 | 0032 | X 1 | X 1 | X 1 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P58 |
| P59 | Analog Output | 3X, 4X | 03, 04 | 0033 | X 1 | X 1 | X 1 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P59 |
| P60 | Analog Output | 3X, 4X | 03, 04 | 0034 | X 1 | X 1 | X 1 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P60 |
| P61 | Analog Output | 3X, 4X | 03, 04 | 0035 | X 1 | X 10 | X 1 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P61 |
| P62 | Analog Output | 3X, 4X | 03, 04 | 0036 | X 1 | X 10 | X 1 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P62 |
| P63 | Analog Output | 3X, 4X | 03, 04 | 0037 | X 1 | X 1 | X 1 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P63 |
| P64 | Analog Output | 3X, 4X | 03, 04 | 0038 | X 1 | X 1 | X 1 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P64 |
| P65 | Analog Output | 3X, 4X | 03, 04 | 0039 | X 1 | X 1 | X 1 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P65 |
| P66 | Analog Output | 3X, 4X | 03, 04 | 0040 | X 1 | X 1 | X 10 | X 1 | X 1 | X 10 | See appropriate York Talk points listings | P66 |
| P67 | Analog Output | 3X, 4X | 03, 04 | 0041 | X 1 | X 1 | X 10 | X 1 | X 1 | X 10 | See appropriate York Talk points listings | P67 |
| P68 | Analog Output | 3X, 4X | 03, 04 | 0042 | X 1 | X 10 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P68 |
| P69 | Analog Output | 3X, 4X | 03, 04 | 0043 | X 1 | X 1 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P69 |
| P70 | Analog Output | 3X, 4X | 03, 04 | 0044 | X 1 | X 1 | X 10 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P70 |
| P71 | Analog Output | 3X, 4X | 03, 04 | 0045 | X 1 | X 1 | X 10 | X 10 | X 10 | X 10 | See appropriate York Talk points listings | P71 |
| P72 | Analog Output | 3X, 4X | 03, 04 | 0046 | X 1 | X 1 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P72 |
| P73 | Analog Output | 3X, 4X | 03, 04 | 0047 | X 1 | X 1 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P73 |
| P74 | Analog Output | 3X, 4X | 03, 04 | 0048 | X 1 | X 1 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P74 |
| P75 | Analog Output | 3X, 4X | 03, 04 | 0049 | X 1 | X 1 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P75 |
| P76 | Analog Output | 3X, 4X | 03, 04 | 0050 | X 1 | X 10 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P76 |
| P77 | Analog Output | 3X, 4X | 03, 04 | 0051 | X 1 | X 10 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P77 |
| P78 | Analog Output | 3X, 4X | 03, 04 | 0052 | X 1 | X 10 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P78 |
| P79 | Analog Output | 3X, 4X | 03, 04 | 0053 | X 1 | X 1 | X 10 | X 1 | X 1 | X 1 | See appropriate York Talk points listings | P79 |
| P80 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0085 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P80 |
| P81 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0086 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P81 |
| P82 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0087 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P82 |
| P83 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0088 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P83 |
| P84 | Digital Output | 0X, 1X, 4X | 01, 02, 03 | 0089 | N/A | N/A | N/A | N/A | N/A | N/A | See appropriate York Talk points listings | P84 |