

YS170/YS1700 and HyperTerminal

Tech note TN12009







- This tech note describes how to configure the YS170/YS1700 controllers and HyperTerminal to communicate with each other.
- Follow Slide 3 for YS170 settings.
- → Follow Side 4&5 for YS1700 settings.
- HyperTerminal settings are identical for both controllers.





··· Go to the CONFIG1 screen and set COMM parameters

1. ADRS: Controller Address

2. STBIT: Stop Bits

3. PAR: Parity

4. BPS: Communication Speed

Example: ADRS-1, STBIT-1, PAR-NO, BPS-9600.

> NOTE: These values must match the settings used in HyperTerminal.







Go to the COMM screen and set COMM parameters

** 1. PSL: Protocol Select (Must be set to YS)

·· 2. ADRS: Controller address

→ 3. STBIT: Stop Bits

·· 4. PAR: Parity

→ 5. DLEN: Data Length

** 6. BPS: Communication Speed







*** Setting example:

PSL: YS

ADRS:

STBIT: 1 bit

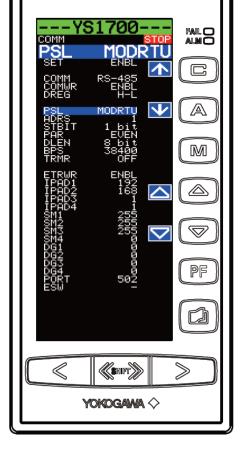
NONE PAR:

DLEN: 8 bit

BPS: 9600

> NOTE: These values must match the settings used in HyperTerminal.





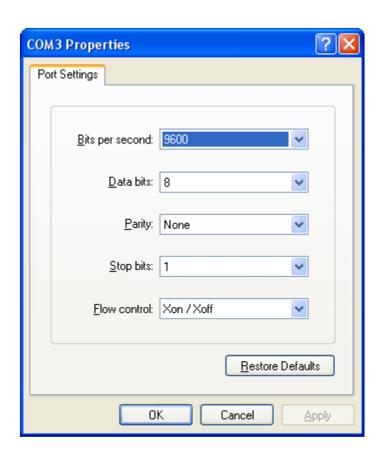




*** HyperTerminal Settings

··· COM Port Settings

Flow control must be set to Xon/Xoff



NOTE: These values must match the settings on the controller.





*** HyperTerminal Settings

*** Terminal Settings

YS170 Properties	?×
Connect To Settings	
Function, arrow, and ctrl keys act as	
Backspace key sends	
Emulation:	
ANSI Terminal Setup	
Telnet terminal ID: ANSI	
Backscroll buffer lines: 500	
Play sound when connecting or disconnecting	
Input Translation ASCII Setup	
OK Ca	ncel





*** HyperTerminal Settings

→ ASCII Setup

ASCII Setup
ASCII Sending
☑ Send line ends with line feeds
☑ Echo typed characters locally
Line delay: 0 milliseconds.
Character delay: 0 milliseconds.
ASCII Receiving Append line feeds to incoming line ends Force incoming data to 7-bit ASCII Wrap lines that exceed terminal width
OK Cancel





™ Data Commands

- Data command must be sent to the YS as a string.
- Construct the command in Notepad or Wordpad and then CUT/PASTE into HyperTerminal.
- Follow this IMMEDIATELY by hitting the ENTER key.



™ Data Commands

- **- ∵ Example**
- **Follow this IMMEDIATELY by hitting the ENTER key.
- The is will retrieve (DG or data get), from controller address 01 (01), one byte of data (01) which is the set point (SV1).



™ Data Commands

... Example

