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:       1
STBIT:        1 bit
PAR:      NONE
DLEN:       8 bit
BPS:       9600

NOTE: These values must match the settings used in HyperTerminal.
COM Port Settings

Flow control must be set to Xon/Xoff

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

[Image of HyperTerminal settings window]

- Function, arrow, and ctrl keys act as
  - Terminal keys
  - Windows keys

- Backspace key sends
  - Ctrl+H
  - Del
  - Ctrl+H, Space, Ctrl+H

- Emulation:
  - ANSI
  - Terminal Setup...

- Telnet terminal ID: ANSI
- Backscroll buffer lines: 500

- Play sound when connecting or disconnecting
  - Input Translation...
  - ASCII Setup...

OK  Cancel
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.
Example

CUT/PASTE DG 01 01 SV1 into HyperTerminal.

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).
Example

```
DG 01 01 SV1
DG 01 01 82.9
```
Thank you!