



YS170/YS1700 and HyperTerminal

Tech note TN12009

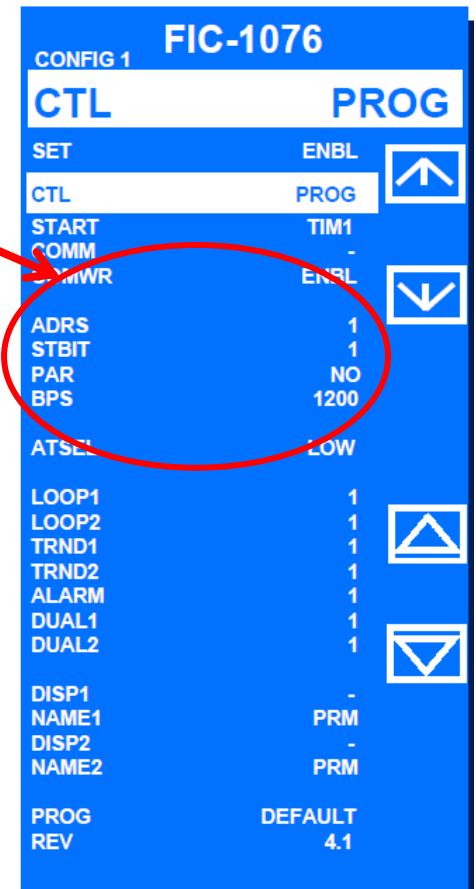
- ❖ **This tech note describes how to configure the YS170/YS1700 controllers and HyperTerminal to communicate with each other.**
- ❖ **Follow Slide 3 for YS170 settings.**
- ❖ **Follow Side 4&5 for YS1700 settings.**
- ❖ **HyperTerminal settings are identical for both controllers.**

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.



CONFIG 1		FIC-1076	
CTL		PROG	
SET	ENBL		↑
CTL	PROG		
START	TIM1		
COMM	-		
SMWR	ENBL		↓
ADRS	1		
STBIT	1		
PAR	NO		
BPS	1200		
ATSEL	LOW		
LOOP1	1		
LOOP2	1		△
TRND1	1		
TRND2	1		
ALARM	1		
DUAL1	1		
DUAL2	1		▽
DISP1	-		
NAME1	PRM		
DISP2	-		
NAME2	PRM		
PROG	DEFAULT		
REV	4.1		

❖ YS1700 Settings (part 1)

❖ 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

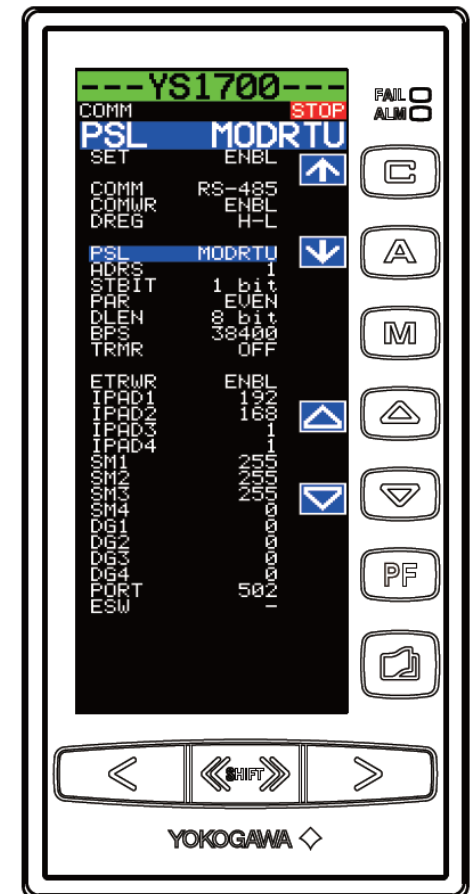


❖ YS1700 Settings (part 2)

❖ Setting example:

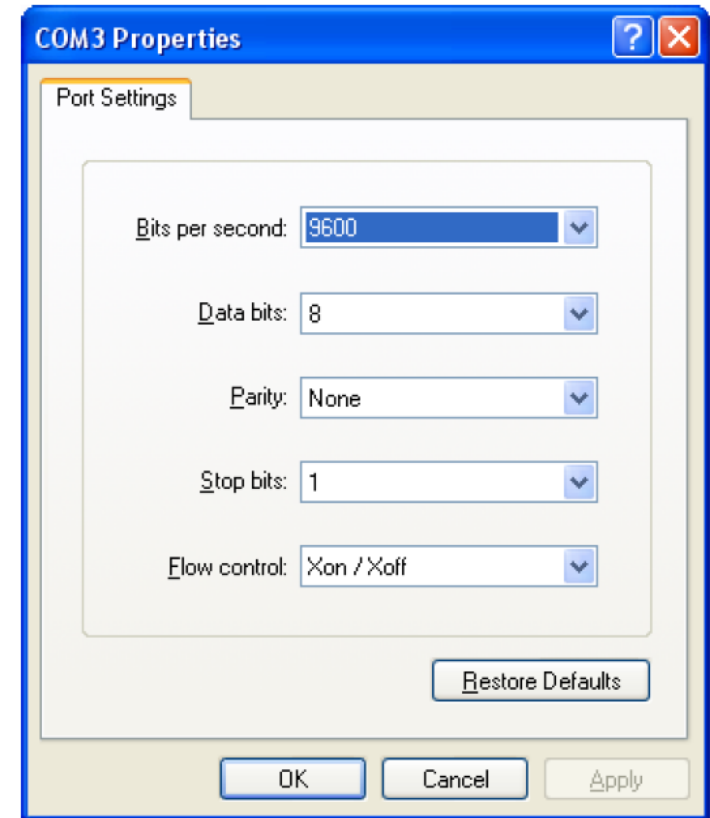
PSL:	YS
ADRS:	1
STBIT:	1 bit
PAR:	NONE
DLEN:	8 bit
BPS:	9600

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



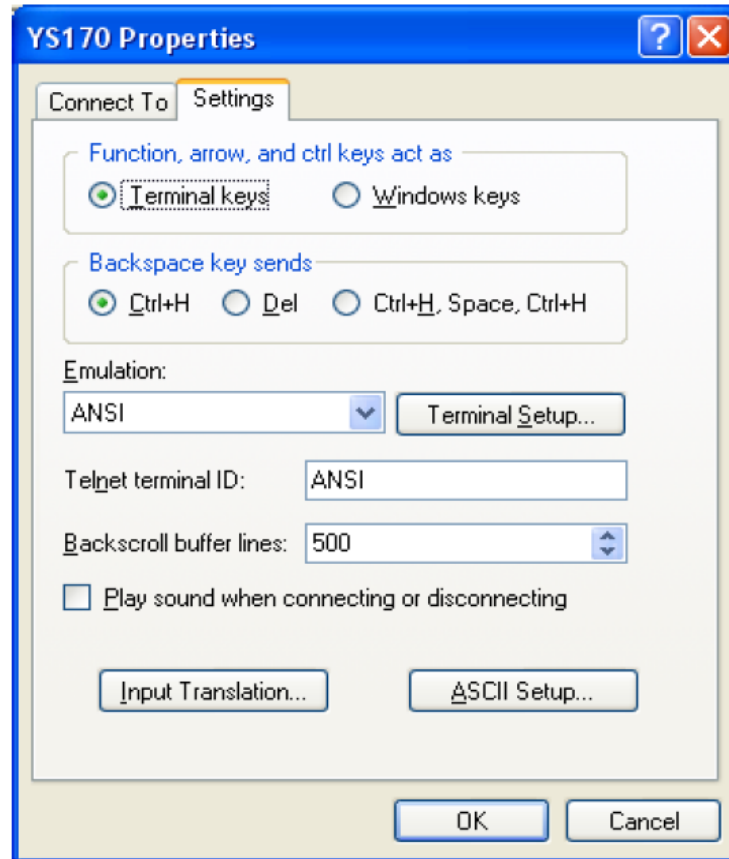
COM Port Settings

- Flow control must be set to Xon/Xoff

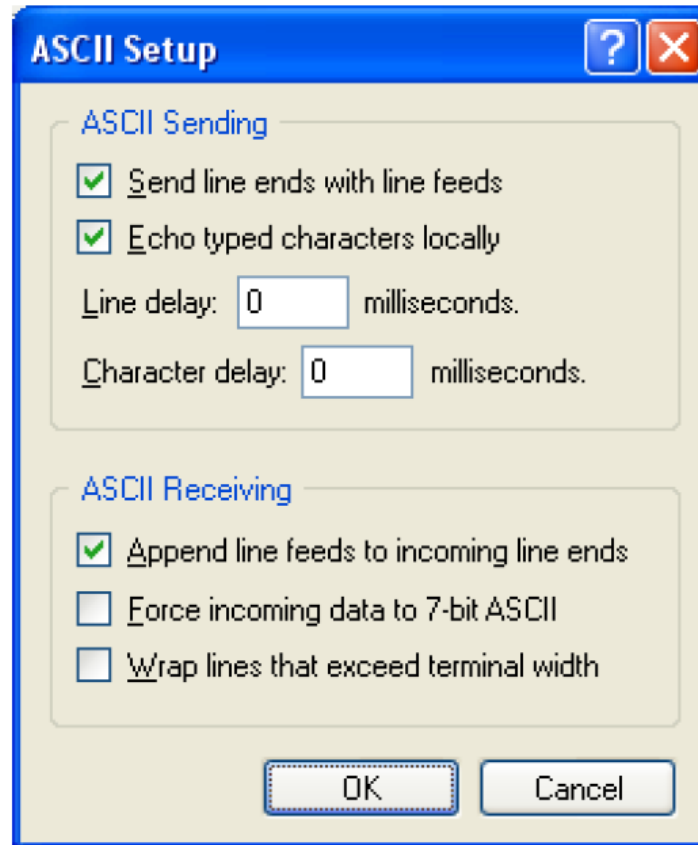


NOTE: These values must match the settings on the controller.

Terminal Settings



ASCII Setup



- ❖ 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.

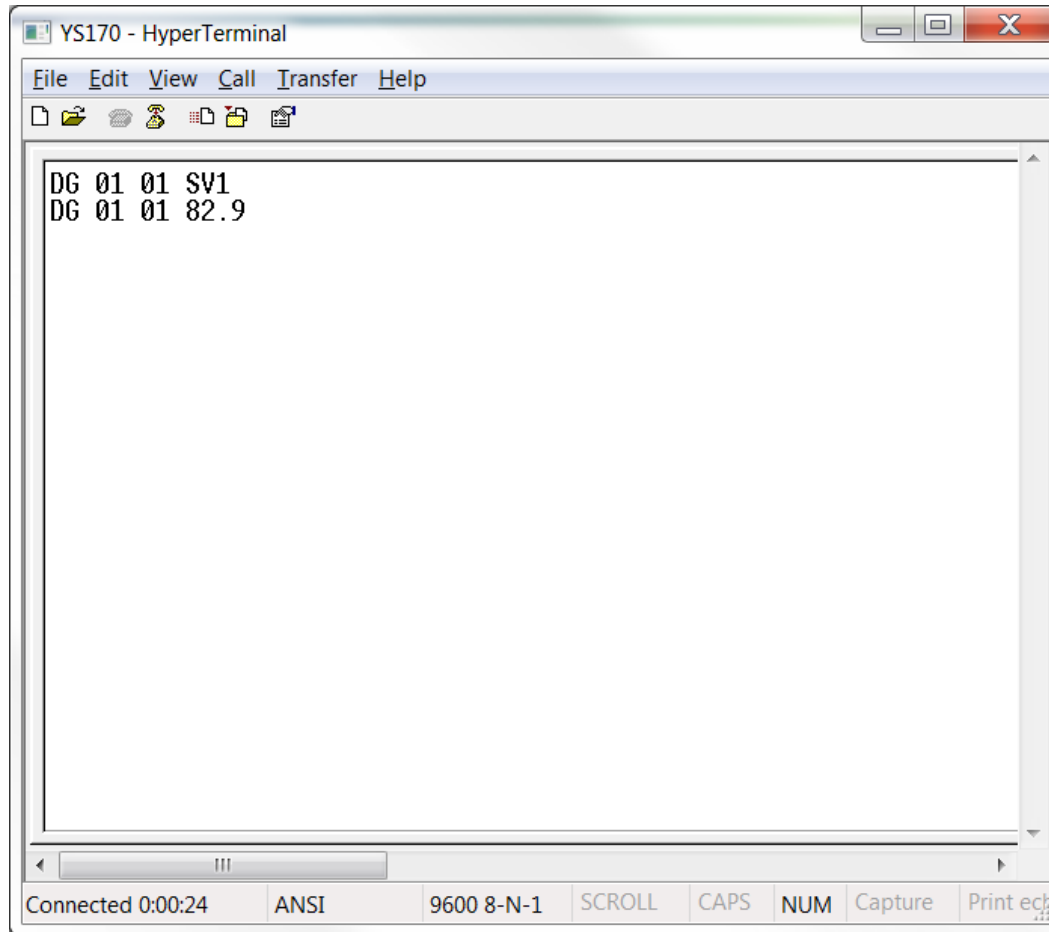
❖ Example

❖ CUT/PASTE DG 01 01 SV1 into HyperTerminal.

❖ Follow this *IMMEDIATELY* by hitting the ENTER key.

❖ This will retrieve (DG or data get), from controller address 01 (01), one byte of data (01) which is the set point (SV1).

❖ Example





Thank you!