



Application Note for Using the Operator Station HE500TIU050/10X/11X/20X with the Amir SPC MotoVariatori Drive

Protocol File Name

HE500TIU050 = Amir_R?.0xx

HE500TIU1xx = Amir _R?.1xx

HE500TIU2xx = Amir _R?.2xx

(The "?" = the TIU firmware revision)

Configuring the Operator Station

To verify the Automated Equipment type the Operator Station is setup for, watch the screen of the Operator Station on power up. The first screen message details the setup of the Operator Station. To configure the Operator Station for particular Automated Equipment, select the Automated Equipment in the Communication Settings from the Configure menu in **CBREEZE** software. Select the appropriate Manufacturer and the appropriate Remote Equipment Model. Then from the File menu select Update Protocol, the appropriate file name will appear in the file name field. The programmer may need to point to the correct folder name/location. If further information is required see the manual or **CBREEZE** help on update/change protocol.

The Horner APG SPC MotoVariatori protocol supports read and write of: -

- Parameters (Pr)

Serial Port Format

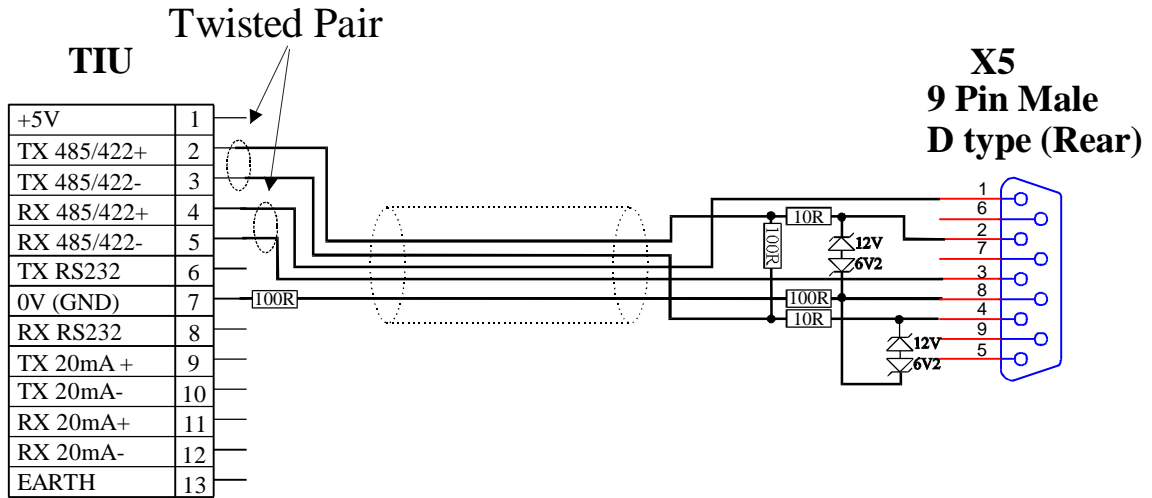
The Drive defaults to using 19200 baud, 8 data bits, one stop bit and even parity.

The connections are via the RS422 X5 serial connection. It is **very important** to observe the wiring diagram ensuring that the shown resistors and zener diodes are fitted as they are to protect the serial interface within the drive which is very susceptible to electrical damage.

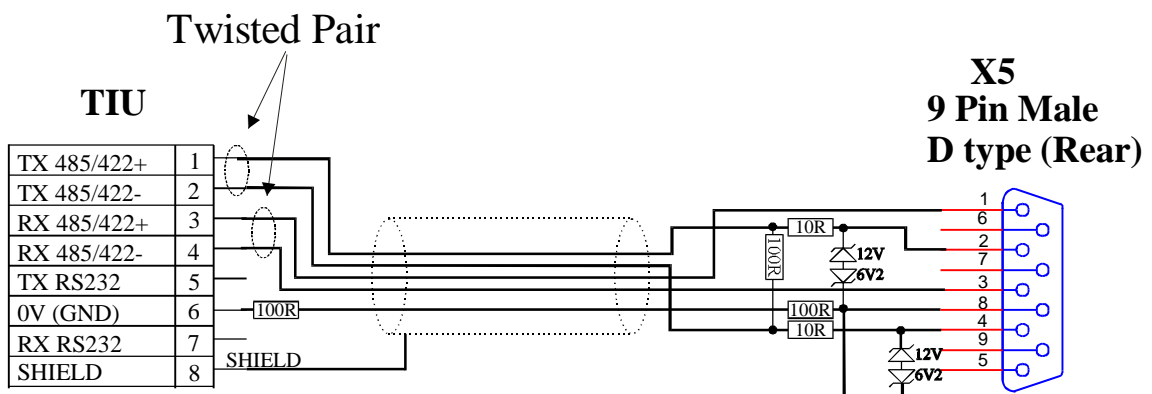
In order for the serial in the drive to function three parameters must be checked.

1. Pr26 Serial Baud Rate Code 6 = 19200
2. b40.14 Serial Communication Enable 1 = Enabled
3. B42.3 Reinitialise Serial Line Set to Enable.

CONNECTING AN OPERATOR STATION AN AMIR SPC MotoVariatori DRIVE



TIU100/TIU110 TO ANAMIR SPC MotoVariatori DRIVE



TIU050/TIU101/TIU102/TIU111/TIU112 TIU200 TO AN AMIR SPC MotoVariatori DRIVE

Configuration Bank		
Switch	ON	OFF
1	Pull-up	No Pull-up
2	120 termination	No termination
3	Pull-down	No Pull-down
4	Reserved for future use	

NOTE: Switch 1 and 3 must be used together.

Cable Screened Twisted Multipair Beldon 9503
 One Pair Tx Data
 One Pair Rx Data
 Use third pair for 0V

