

Application Note for Using the Operator Station HE500TIU050 / 10X / 11X / 20X / 3XX with an Saia PLC

1.0. Protocol File Name

HE500TIU050 = SAIA_R?.0xx
HE500TIU1xx = SAIA_R?.1xx
HE500TIU2xx = SAIA_R?.2xx
HE500TIU3xx = SAIA_R?.3xx
(The “?” = the TIU firmware revision)

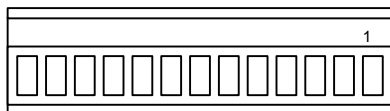
2.0. Configuring the Operator Station

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.

3.0. Protocol Revisions

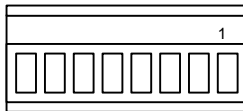
7.0. Connection details to an SAIA PLC

13-Pin Screw Terminal Block

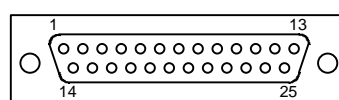


TIU100, TIU110

8-Pin Screw Terminal

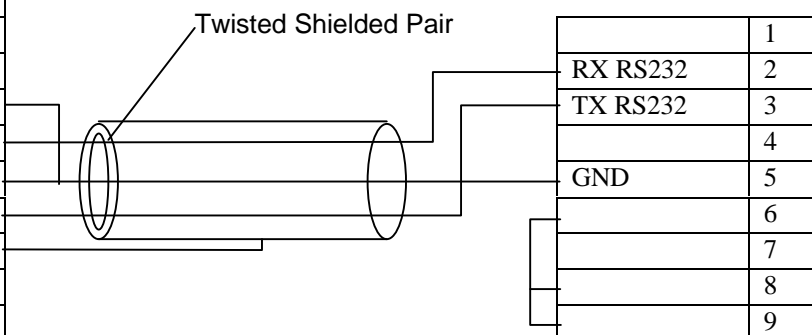

TIU050, 101, 102, 103,
111, 112, 113, 201,
202, 203

25-Pin D-Type Male


TIU300, 301, 302, 303, 304,
310, 311, 312, 313, 314,
320, 321, 322, 323, 324

TIU Type	13-Pin	8-Pin	25-Pin
Signal Name			
+5V	1		
TX 485/422+	2	1	12
TX 485/422-	3	2	13
RX 485/422+	4	3	24
RX 485/422-	5	4	25
TX RS232	6	5	2
Signal GND	7	6	7
RX RS232	8	7	3
Frame Gnd	13	8	1
RTS RS232	-	-	4
CTS RS232	-	-	5
RTS 485/422+	-	-	14
RTS 485/422-	-	-	17
CTS 485/422-	-	-	18
CTS 485/422+	-	-	19

RS232 Connection

SISA PGU PORT
9-Way
D-Type Male


Do not connect to unlisted pins.

Recommended cable : Beldon 9503, twisted multipair, screened.
Connect the screens together at the shield / Earth pin of the PLC