DITEL: PRODUCTS: DIGITAL STARS: **8000RST**

Print this page

DESCRIPTION

This output option transmits the present display reading with sign followed by the abbreviation corresponding to the unit of measure, at a rate of 1200 bauds. The link is a SIMPLEX type and transmission takes place when a RTS (Request to Send) is sent from the terminal computer (D.T.E.).

The data format consist of 1 START bit, 7 DATA bits (ASCII), 1 PARITY bit (even) and 1 STOP bit. After the data string has been transmited, both a carriage return [CHR$(13)] and a XOFF [CHR$(19)] are finally sent.

The maximum recommended distance between the instrument and the D.T.E. is 15 meters. For longer distances and up to 300 meters, it must be used the RS232/20mA output which delivers the same information in a 0-20mA current loop instead of by voltage levels. In such a case, a RS232/20mA to RS232C converter is needed when interfacing with a RS232C input.

For the RS232/20mA version, the instrument provides the necessary voltage (+10V) to generate the 0-20mA current or else to feed the converter as shown in the figures at right.

TECHNICAL FEATURES

Maximum recommended distances :
RS 232 C .... 15 meters
RS 232 / 20mA .... 300 meters

Type of link .... SIMPLEX
Transmission rate .... 1200 baud
Transmission format .... 1 start bit, 7 data bits (ASCII), 1 parity bit (even) and
1 stop bit
End of transmission characters .... [CHR$(13)] and XOFF [CHR$(19)]

Connectors .... 1x13-pin AMP-EDGE
25-pin CANNON (through adapter)

WIRING SCHEMATICS

RS 232 C - REQUEST BY RTS

Data transmission is initiated by sending a high logic level from the D.T.E to pin A9 (RTS).

RS 232 C - REQUEST BY PUSHBUTTON
Data transmission starts by pressing the [P] pushbutton which generates a RTS at pin A9.

RS 232 / 20mA - REQUEST BY RTS
Data transmission starts by sending a RTS from the D.T.E. to the converter which generates a 20mA current flow between pins A4 and A5 (RTS).

RS 232 / 20mA - REQUEST BY PUSHBUTTON
Data transmission starts by pressing the [P] pushbutton which, by grounding pin A5 causes the current flow through pins A4 and A5.

Warranty:
Press the icon to see it.

Change language | Back to the menu