



Synchronise every moment

For an accurate, reliable and secure time

ASCII option card (2 outputs) - Netsilon



MADE IN FRANCE

DESCRIPTION

- The ASCII option card provides 2 RS232/422/485 time-coded serial interfaces (2 dependent outputs).
- Compatible with the entire Netsilon range (7, 9, 11) and with up to 4 option cards per time server.
- Configuration of the output frame via the embedded Netsilon web server (the 2 outputs allow 2 different physical links to be distributed: RS232/422/485).

COMPLIANCE

- Directives: LVD 2014/35/EU, EMC 2014/30/EU.

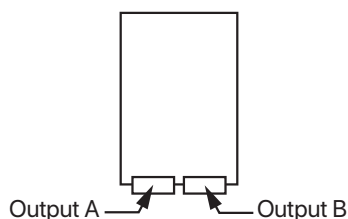
TECHNICAL FEATURES

Electrical features

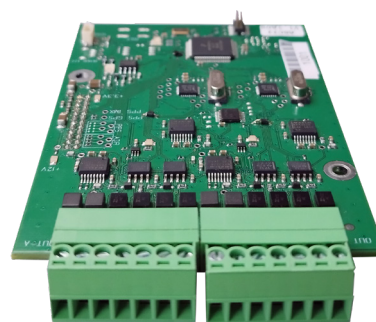
- Maximum capacity per output..... Up to 255 RS422/485 receivers.
- Maximum line length... RS232: 15 m.
RS422/485: up to 1200 m.
- Protection..... Integrated protection of outputs against short circuits and overloads.

Settings available	Possible values
Transmission speed	1200, 2400, 4800, 9600, 19200, 38400, 57600 bauds.
Nb of data bits	7 bits, 8 bits.
Parity	Even, odd, none.
Stop bit	1 or 2 stops.

- Connections..... 2 removable 7-pin terminal blocks (pitch of 3.81 mm).



Output A				Output B									
RS232	RS422/485	RS232	RS422/485	Tx	Rx	GND	Tx	Rx	GND	T+/A	R+	T-/B	R-



- Specific frame..... Programmable.

Transmission frame	Content of the message
Standard 1	T:YY:MM:DD:ND:HH:MM:SS "x0D" "x0A"
Standard 2	"x02" 00 DoW DD/MM/YY HH:MM:SS "0D"
ZDA GPS simulation	§GPZDA,HHMMSS,00,DD,MM,YY, 00,checksum,"x0D" "x0A"
Prog.	%01: day of the month %02: month %03: year %04: hour %05: minute %06: second %07: day of the week %08: Sign of time difference %09: Hour of time difference %10: Minutes of time difference %11: Season %31: Frame ID %32: Checksum

Transmission frame	Example
Standard 1	Beginning of the message: 08:10:09:04:15:12:30 "end of frame"
Standard 2	Beginning of the message: 00 Thu 09/10/08 15:12:30 "end of frame"
ZDA GPS simulation	Beginning of the ZDA GPS message: 151230,00,09,10,08,00,00*6, "end of frame"
Prog.	« TIME :%04 :% :%05% :%06 » at 12h30 and 12 seconds will be « TIME :12 :30 :12 »

REFERENCES

- 907 926..... ASCII option card (Netsilon) - 2 outputs.