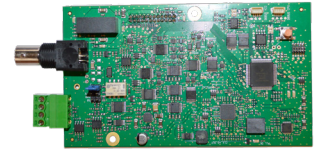


PRESENTATION

- The IRIG INPUT option card makes it possible to synchronise a Netsilon with an IRIG signal.



MAIN CHARACTERISTICS

Formats supported

Format	Modulation type	Carrier Frequency	Coded Expressions
A	0,1	0,3	0,1,2,3,4,5,6,7
B	0,1	0,2	0,1,2,3,4,5,6,7
E	0,1	0,1,2	0,1,2,3,4,5,6,7
G	0,1	0,4	1,2,5,6
Example : IRIG B126 format			
B	1	2	6

Modulation type

- 0 DC Level Shift (DCLS), pulse width code.
- 1 Sine wave carrier, amplitude modulated (AM).

+ support: AFNOR NF S 87-500 ANNEX A

Carrier Frequency

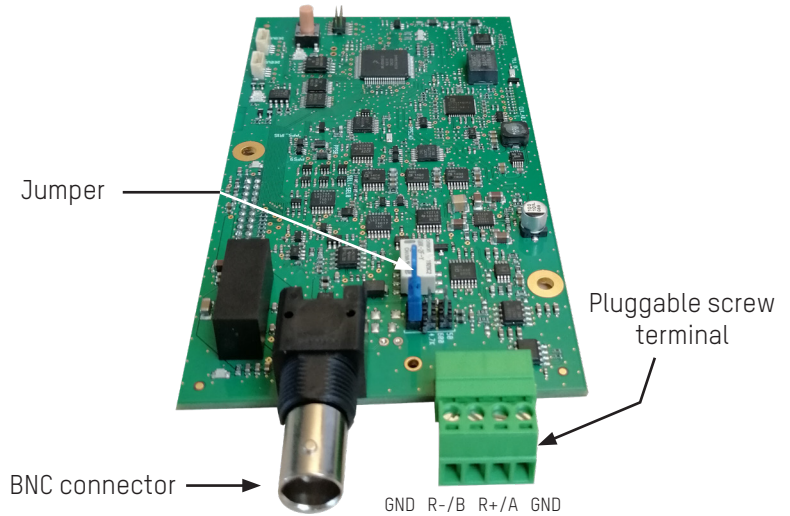
- 0 No carrier (DCLS)
- 1 100 Hz
- 2 1 kHz
- 3 10 kHz
- 4 100 kHz

Levels

- AM : 1 to 10 Vpp
- DCLS : 500 mV to 5 V

Offset limits for oscillator disciplining

Format	Limits (+/-) in nanoseconds
A	3 000
B	20 000
G	1 500
E	No disciplining possible
Afnor	20 000



Connections

- IRIG AM and DCLS: BNC connector (+ core, - shield),
 - DCLS - RS422: pluggable screw terminal (3.81 mm),
 - 1 jumper to select the input impedance: 4.7K / 600 / 50 Ohms or high impedance (no jumper),
- By default, the jumper is positioned on the option card for 600 Ohms.

NOTES

- The IRIG INPUT option card is compatible with Netsilon 9 and Netsilon 11.
- One option card only per Netsilon time server.
- The OCXO oscillator of the Netsilon 9 / 11 can be disciplined with IRIG except for IRIG-E.
- If the OCXO oscillator disciplining is activated, the synchronisation time may be longer.

PRODUCT REFERENCE

- 907 947..... IRIG INPUT option card

