

DS-IRIG-ACDC2

DS-IRIG-ACDC2 converts IRIG code B-DC and -AC signals, so that they can be used to synchronise different DEWESoft devices.

The input source can be changed via push-button and is indicated by three LEDs.

Conversion Overview

Input	Output
IRIG-AC (BNC)	IRIG DC OUT (BNC) IRIG DC OUT (L0B4f) IRIG DC OUT (L0B2f) differential
IRIG-DC (BNC)	IRIG DC OUT (L0B4f) IRIG DC OUT (L0B2f) differential
IRIG-DC (L0B4f) Sirius	IRIG DC OUT (L0B2f) differential

Specifications

Input signals		
IRIG-AC (BNC)		
AM code		0.5 V _{pp} to 10 V _{pp}
Ratio (AM)		3 : 1 ±10%
Impedance		20 kΩ
Input isolation		100 V _{DC}
IRIG-DC		
Input level		TTL / CMOS compatible
Input configuration		Isolated 100 V _{DC}
IRIG-DC (BNC)		
Input level		TTL / CMOS compatible
Input configuration		Isolated 100 V _{DC}
IRIG-DC (L0B4f) Sirius		
Input level		TTL / CMOS compatible
Input configuration		Non isolated, single ended
Output specifications		
IRIG-DC (BNC)		TTL compatible
IRIG-DC (L0B4f) Sirius		TTL compatible
IRIG-DC OUT (L0B2f) Sirius (differential)		RS 422 compatible (differential)
Signal delay and jitter		
IRIG-AC to IRIG-DC ¹⁾		±4 μsec ±500 nsec jitter
IRIG-AC to IRIG-DC (differential)		±2 μsec ±200 nsec jitter
Environmental		
Power supply		6 to 24 V _{DC}
Operation temperature		-5°C to +60°C
Storage temperature		-30°C to +85°C
Relative humidity		0 to 95% @ 60°C, non-condensing

1) Adjusted to Meinberg, can be adjusted to different values in factory



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