MOSERBAER

Sumiswald, 12.08.2013

TO WHOM IT MAY CONCERN

MobaLine to IRIG-B code comparison table

MobaLine code	IRIG-B code
Power and time code signal on two wires.	Only time code signal on two wires. Additional mains power is required.
Running reserve given by the master clock, if equipped with batteries.	No running reserve can be provided by the master clock. Clocks continue running with mains power. (Analogue clocks for 24h, then run to 12:00)
Very high redundancy in the time information and therefore: - High reliability, error recognition. - non-sensitive against disturbances.	Amplitude modulated signal: - low reliability, no error recognition. - less transmission security.
For maintenance free, self-setting clocks.	For maintenance free, self-setting clocks.
Very fast time synchronization upon return of power (Mobaline) after a power failure.	Very fast time synchronization upon return of power after a power failure.
Several functions are available over Mobaline: - Switching commands. - World time functions.	Only time and date code is available for one time zone
Several commands over Mobaline are possible: - Run to 12H00 position. - Run mode: continuously, half-minute step, minute step (only SAM / SEM 40 or SAM / SEM 100 movements)	Not available.
Various interfaces are available to synchronize other systems.	Not available.
All types of clocks are available with a Mobaline code: Analogue and Digital clocks	All types of clocks are available with an IRIG-B code: Analogue and Digital clocks
Less expensive technology to implement	More expensive technology to implement

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