

**IF 482 Standard ASCII telegram** sent from an external time base (e.g. IF 482 MOBALINE/ RS 232 interface, MTC module U 4.1.x or one of the below listed time systems) for automatic time-setting of slave clocks (e.g. BU 190 series) or master clocks HN 425, CTC, MTS, ETC and for master clock modules U 1.2.x in Master Time Center MTC, through the serial interface RS 232 or RS 422.

Time telegram (ASCII) once per second, terminating at the beginning of the designed second in the telegram:

Baud rate: 9600 Bit/s  
 Data bits 7  
 Parity: even  
 Stop bit: 1  
 Jitter: < 50ms

**Format of ASCII telegram string:**

<b>Serie</b>	<b>Signification</b>	<b>Sign</b>	<b>HEX</b>
1	---	O	4F
2	Supervision	A	41
3	Season	W, S or U <sup>1)</sup>	57 or 53
4	Year tens	0 .. 9	30 .. 39
5	Year unit	0 .. 9	30 .. 39
6	Month tens	0 or 1	30 or 31
7	Month unit	0 .. 9	30 .. 39
8	Day tens	0 .. 3	30 .. 33
9	Day unit	0 .. 9	30 .. 39
10	Monday .. Sunday	1 .. 7	31 .. 37
11	Hours tens	0 .. 2	30 .. 32
12	Hours unit	0 .. 9	30 .. 39
13	Minutes tens	0 .. 5	30 .. 35
14	Minutes unit	0 .. 9	30 .. 39
15	Seconds tens	0 .. 5	30 .. 35
16	Seconds unit	0 .. 9	30 .. 39
17	End of telegram	CR	0D

<sup>1)</sup> **W**: Standard time, **S**: Season time, **U**: UTC time (not supported from all systems)

Refer to instruction manuals BE-800030 for master clocks HN 425 and HN 425 R, to TE- and BE-800103 for master clock modules U 1.2.0 to U 1.2.2, to TE- and BE-800109 for serial communication module U 4.1.0, to BE-800161 for CTC master clock or to BE-800196 for MTS.



MOSER-BAER AG.  
 CH-3454 SUMISWALD