

Last update: July 21,2023

[Get the newest release](#)

Release Notes

Version 2.1 (2023-07-21)

- removed unused watchdog trigger
- added UMB channel Reset-Counter
- minor modifications of the new standard telegrams SS;2 bis SS;6

Version 2.0 (2023-06-22, not published)

- ASCII2 IFO;16 over RS232 with high number of channels caused permanent failure of RS232 communication
- UMB Channel request: a few channels responded with an incorrect Info field
- ASCII2 DSC: Input of a description with over-length caused permanent communication failure: added length limitation in CommonLib
- ASCII2 DSC: When a long text was written over by a short text, the remains of the long text remained visible
- ASCII2 ATI: Setting 0 was accepted and caused blocking of the device on start of
- Auto transmit by data transmission without break. Minimum value of interval internally limited to 5s
- ASCII2 UAA: Modification of the parameter through ASCII2 not accepted (error 15).
- ASCII2: Addressing von E2 memory storage point corrected, added EE_BEGIN_CONF . OK

New functionality:

- New standard telegrams SS;2 bis SS;6 on customer request, predefined for different units (m, cm, mm, inch).
- Including constant number of digits and decimal point location: Use of the Scaling Factor no longer required

Version 1.9 (2022-05-19)

- solved frequent E21 and E22 errors
- solved error in Modbus holding register 16

Version 1.8 (2020-05-15 14:12:16 GIT_366)

NOT PUBLISHED

- solved frequent E22 error (timeout Laser communication) by short term command repeat on timeout (up to now only detected at end of laser interval)
- Update to current CommonLib version, migration to IAR 4.11.1
- Tickcounter Overflow handling for OS_GetTime functions
- Extended Device Info

Version 1.7 (2018-17-10 16:09:13 @688)

- UMB-ASCII 2.0: Output format of telegram 1 reset to original format of version 1.4.

Version 1.6 (2018-12-10 15:00:32 @685) not published.

- Signal strength threshold value for Snow flag adjustable
- Limit values for heating temperature hysteresis corrected (no negative hysteresis)
- Improvement of the laser control (no getting stuck with laser on/off and reference value determination.)
- SDI12 adaptation to SDI12v1.4
- Improvement of the behavior at high temperatures (suppression of signal strength display, switch-off of laser and heating)
- Monitoring of the block temperature sensor for short circuit and breakage supplemented, switch-off of the laser in case of failure.
- Correction for treatment with max. snow depth difference exceeding.
- Laser cycles introduced for lifetime monitoring (debug UMB channel 21050, for service only)

Version 1.5 (2018-08-09 @631) not published

- Modbus integration and configuration
- Internal software conversion (CommonLib), ASCII telegrams are no longer sent synchronously to the calculation.

Version 1.4 (2017-05-18 10:41:13 @325)

- UMB-ASCII 2.0: Output formats of telegram 1 corrected (correct output for snow depth less than 1)

Version 1.3 (2017-05-11 13:01:09 @323)

- UMB-ASCII 2.0: Output format of telegram 1 changed (snow depth 8 characters, short serial number, angle without sign 4 characters)
- If the values do not fit into the specified format, the decimal places are omitted before the format length changes.
- IFO-Befehl:
- IFO;15 return correct values
- IFO;16;<bl> activated (block size 30, 4 blocks {0,1,2,3} available)
- Parameter: Value ranges changed: scaling_factor [0, 40000] and maximum_snowheight_difference [-20000, 20000]

Version 1.2 (2017-05-11 13:01:09 @314)

start version