

Firmware change-log of new features and bug fixes of the u-remote modules:

Firmware updating information:

An update of the firmware can be done via the embedded web server. A description of the firmware update can be found in the u-remote web server manual on the Weidmüller website: www.weidmueller.com

UR20-1COM-232-485-422 (1315750000)

Version 01.00.13 **Release date: December 2017**

- Fixed that an acknowledge response in rare cases could be transmitted before all data was received
- Fixed that sometimes a received data overflow was not handled correctly
- Added CRC16 checksum calculation for incoming and outgoing data

Version 01.00.12 **Release date: June 06, 2016**

- First released version

UR20-1COM-SAI-PRO (2007430000)

Version 01.00.07 **Release date: December 2017**

- Minor improvements

Version 01.00.06 **Release date: May 17, 2017**

- New feature: Improved overcurrent detection for sub bus supply (works with HW-Version >01.05.00)
- Bug Fixes: parameter for substitute values is working now

Version 01.00.04 **Release date: October 04, 2016**

- Bug Fixes: Improved start up behaviour while initialising sub bus modules.

A firmware update is recommended!

Version 01.00.01 **Release date: June 06, 2016**

- First released version

UR20-2AI-SG-24-DIAG (1990070000)

Version 01.00.06 **Release date: April, 2018**

Offset can be changed independently for each entered value of the sensor sensitivity. A description of changes in the calibration process can be found in the UR20 manual (v13 or above).

Version 01.00.04 **Release date: December 2017**

- Improved algorithm for calculation of user offset in combination with manual tare
- Added blocking of tare function when input data is out of range
- Version is removed from download section – upgrade to newest version is recommended!

Version 01.00.03 **Release date: October 04, 2016**

- First released version

UR20-3EM-230V-AC (2007420000)

Version 01.00.47 **Release date: December 2017**

- Fixed that value of Fundamental Reactive Power sometimes could be inaccurate

Version 01.00.46 **Release date: May 17, 2017**

- New feature: adds Parameter “direction recognition” indicate 3 phase direction

Version 01.00.30 **Release date: October 04, 2016**

- Bug Fixes: Improved diagnosis threshold values for voltage and current: Diagnostic LED threshold behaviour adjusted.

Version 01.00.28 **Release date: June 06, 2016**

- First released version

UR20-4AI-R-HS-16-DIAG (2001670000)

Version 01.00.01 **Release date: June 06, 2016**

- First released version

UR20-4AI-RTD-DIAG (1315700000)

UR20-4AI-TC-DIAG (1315710000)

Version 01.00.11 **Release date: December 2017**

- Fixed that deactivation of Limited Value Monitoring sometimes causes faulty behaviour.

Version 01.00.10 **Release date: May 17, 2017**

- Bug fix: Linearization curve for CU10 sensors >200 °C corrected

UR20-4AI-RTD-HP-DIAG (2456540000)

Version 01.00.02 **Release date: December 2017**

- Fixed that deactivation of Limited Value Monitoring sometimes causes faulty behaviour.

Version 01.00.01 **Release date: May 17, 2017**

- First released version
- High precision RTD module
- Supports additional LG-Ni1000 sensor characteristic

- Supports additional PT100 from -200 °C to +250 °C

UR20-4AI-UI-12 (1394390000)
UR20-4AI-UI-16[-HD] (1315620000, 1506920000),
UR20-4AI-UI-16-DIAG[-HD] (1315690000, 1506910000),
UR20-8AI-I-16-[DIAG]-HD (1315650000, 1315720000)
UR20-8AI-I-PLC-INT (1315670000)

Version 01.00.36 **Release date: May 17, 2017**

- New feature: Additional low pass implemented

Version 01.00.34 **Release date: October 04, 2016**

- New feature: Adaptation of the switching thresholds according to **Namur Recommendation NE43** "Standardization of the Signal Level for the Failure Information of Digital Transmitters"
 High limits: +5%
 Low limits: -10% for non-zero unipolar range
 Limits for bipolar range: +/-10%

Measurement range	Low limits	High limits
0 to 20mA	n.a.	> 21mA
4 to 20mA	< 3.6mA	> 21mA
0 to 10V	n.a.	> 10.5V
2 to 10V	< 1.8V	> 10.5V
+/-10V	< -10.5V	> 10.5V
0 to 5V	n.a.	> 5.25V
1 to 5V	< 0.9V	> 5.25V
+/-5V	< -5.25V	> 5.25V

Version 01.00.33 **Release date: June 06, 2016**

- First released version

UR20-4AI-UI-DIF-16-DIAG (1993880000)

Version 01.03.05 **Release date: December 2017**

- Fixed that Module Status LED turns red on an error event on a channel with deactivated diagnostics

Version 01.03.03 **Release date: May 17, 2017**

- First released version

UR20-4AI-UI-DIF-32-DIAG (2544660000)

Version 01.00.04 **Release date: December 2017**

- First released version

UR20-4AO-UI-16[-HD] (131568000, 1510690000),
UR20-4AO-UI-16-DIAG[-HD] (1315730000, 1506930000),
UR20-4AO-UI-16-M[-DIAG] (2453880000, 2453870000)

Version 01.02.00 **Release date: May 17, 2017**

- Added 'M'-version - universal analogue output module with Marine certification

Version 01.01.07 **Release date: June 06, 2016**

- First released version

UR20-4COM-IO-LINK (1315740000)

Version 01.00.03 **Release date: May 17, 2017**

- First released version
- Only compatible with: PROFIBUS-DP coupler FW-Version >=01.03.00
 PROFINET coupler FW-Version >=01.03.00

UR20-4DI-4DO-PN-FSOE (1529780000)

Version 01.00.06 **Release date: June 06, 2016**

- First released version

UR20-4DI-4DO-PN-FSOE-V2 (2464580000)

Version 01.00.05 **Release date: April, 2018**

- Improved output response time < 10ms

Version 01.00.04 **Release date: May 17, 2017**

- First released version

UR20-4DI-4DO-PN-FSPS (1335060000)

Version 01.00.02 **Release date: June 06, 2016**

- First released version

UR20-4DI-4DO-PN-FSPS-V2 (2464570000)Version 01.00.05**Release date: April, 2018**

- Improved output response time < 10ms

Version 01.00.01**Release date: May 17, 2017**

- First released version

UR20-8DI-PN-FSOE (1529800000)Version 01.00.06**Release date: June 06, 2016**

- First released version

UR20-8DI-PN-FSOE-V2 (2464600000)Version 01.00.04**Release date: May 17, 2017**

- First released version

UR20-8DI-PN-FSPS (1335070000)Version 01.00.06**Release date: June 06, 2016**

- First released version

UR20-8DI-PN-FSPS-V2 (2464590000)Version 01.00.01**Release date: May 17, 2017**

- First released version

UR20-PF-O-1DI-SIL (1335030000)**UR20-PF-O-2DI-SIL (1335050000),****UR20-PF-O-2DI-DELAY-SIL (1335040000)**Version 01.13.00**Release date: June 06, 2016**

- First released version