

# iSMA-B-MINI-RS

## MINI IO Modules RS485 Series

### iSMA-B-MINI-RS Software Bundle 6.5

13 Oct 2020

The list below contains modifications and new features since the release of software bundle version 6.4.

NAME	DESCRIPTION
<b>iSMA-B-MINI-RS Ver. 6.5</b> Release date 13 Oct 2020	<b>Improvements:</b> <ul style="list-style-type: none"><li>the default BBMD IP address set to 0.0.0.0;</li><li>registering to the BBMD server is disabled if the BBMD IP address is left default;</li><li>added option to disable the web server access by setting the HTTP port to 0;</li><li>4U4O: if the default temperature sensor is set to Fahrenheits, the default setpoint temperature is 70°F;</li><li>BACnet stability improvement.</li></ul> <b>Fixed Bugs:</b> <ul style="list-style-type: none"><li>fixed Modbus statistics on www: Modbus Received / Error / Transmitted Frames;</li><li>fixed BACnet ID changes to reload settings;</li><li>fixed loss of frames over the BACnet IP;</li><li>fixed UI filter reset in case of short disconnection of the sensor;</li><li>PT1000 temperature sensor fix for readings over 350°C;</li><li>in case the temperature sensor on the UI gets disconnected, the temperature value is restored to its min/max INT value.</li></ul>

### iSMA-B-MINI-RS Software Bundle 6.3

3 Mar 2020

The list below contains modifications and new features since the release of software bundle version 6.2.

NAME	DESCRIPTION																
<b>iSMA-B-MINI-RS Ver. 6.3</b> Release date 3 Mar 2020	<b>New Functionalities:</b> <ul style="list-style-type: none"><li>new temperature sensors implemented in Celsius and Fahrenheit degrees:<table><tr><th>Celsius</th><th>Fahrenheit</th></tr><tr><td>NI1000 21C</td><td>10K Type2 NTC B=3975K</td></tr><tr><td>NI1000 LG</td><td>10K Type3 NTC B=3695K</td></tr><tr><td></td><td>20K NTC B=4262K</td></tr><tr><td></td><td>3K NTC B=3975K</td></tr><tr><td></td><td>PT1000</td></tr><tr><td></td><td>NI1000 32F</td></tr><tr><td></td><td>NI1000 70F</td></tr></table></li><li>new Modbus function 0x17 Read/Write Multiple registers</li><li>new Modbus function 0x2B to read the VENDOR_NAME,MODEL_NAME, FW_VERSION, HOMEPAGE.</li></ul> <b>Improvements:</b> <ul style="list-style-type: none"><li>improved filtering on UI;</li><li>Device Name (Object Name) in BACnet is saved in EEPROM memory.</li></ul> <b>Fixed Bugs:</b> <ul style="list-style-type: none"><li>fixed one record in sensor 30k6A1 table -resistance 60713 to 80713 (5°C).</li></ul>	Celsius	Fahrenheit	NI1000 21C	10K Type2 NTC B=3975K	NI1000 LG	10K Type3 NTC B=3695K		20K NTC B=4262K		3K NTC B=3975K		PT1000		NI1000 32F		NI1000 70F
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The list below contains modifications and new features since the release of software bundle version 5.5.

NAME	DESCRIPTION
<b>iSMA-B-MINI-RS Ver. 6.0</b> Release date 7 Dec 2017	<b>New Functionalities:</b> <ul style="list-style-type: none"><li>firmware Version 6.0 released with BACnet certification;</li><li>added possibility to upgrade devices firmware via BACnet.</li></ul> <b>Fixed Bugs:</b> <ul style="list-style-type: none"><li>fixed out of service flags in AO, BO and TO in BACnet;</li><li>fixed overridden flags in AO, BO and TO in BACnet;</li><li>fixed bug with number of counters for Binary Input object (now variable is 32-bit);</li><li>changed AO-1, BO-1, TO-1 HAND_STATUS Access to read only in BACnet.</li></ul>

## iSMA-B-MINI-RS Software Bundle 5.2

17 Jan 2017

The list below contains modifications and new features since the release of software bundle version 5.1.

NAME	DESCRIPTION
<b>iSMA-B-MINI-RS Ver. 5.2</b> Release date 17 Jan 2017	<b>Fixed Bugs:</b> <ul style="list-style-type: none"><li>fixed bug with RS485 communication problem after device update (in FW version 5.0 and 5.1 power-up cycle was needed to work properly).</li></ul>

## iSMA-B-MINI-RS Software Bundle 5.1

13 Jan 2017

The list below contains modifications and new features since the release of software bundle version 5.0.

NAME	DESCRIPTION
<b>iSMA-B-MINI-RS Ver. 5.1</b> Release date 13 Jan 2017	<b>Fixed Bugs:</b> <ul style="list-style-type: none"><li>fixed bug with saving configuration to EEPROM memory (in FW version 5.0 once for dozens of records to the EEPROM memory can fail).</li></ul>

The list below contains modifications and new features since the release of software bundle version 4.3.

NAME	DESCRIPTION
<b>iSMA-B-MINI-RS Ver. 5.0</b> Release date 4 Jan 2017	<b>New Functionalities:</b> <ul style="list-style-type: none"><li>• new HVAC functions Heating and Cooling in 4U4O based on output thermostatic control with a setpoint and differential value setting;</li><li>• added new input mode for 4I4O: Time Relay NC [ms], Time Relay NO and NC in seconds, Input Forwarding;</li><li>• added new input mode for 4U4O: Ordinary IO, Monostable Relay, Bistable Relay, Time Relay NO and NC [ms], Time Relay NO and NC in seconds, Input Forwarding, Heating, Cooling with corresponding BACnet objects and Modbus registers;</li><li>• added reset output to default after input mode change in 4U4O and 4I4O.</li></ul> <b>Improvements:</b> <ul style="list-style-type: none"><li>• improved BACnet COV Increment can now have values with resolution 0.1;</li><li>• added BACnet COV Increment access (read/write) through USB;</li><li>• added power Led flashing after IO watchdog triggered;</li><li>• changed IO watchdog reset after read/write registers through USB;</li><li>• added immediately detecting sensors short circuit and disconnection regardless of filter settings on universal inputs.</li></ul> <b>Fixed Bugs:</b> <ul style="list-style-type: none"><li>• fixed bug with Stop bits, was always 1.</li></ul>

## iSMA-B-MINI-RS Software Bundle 4.3

28 Sep 2016

The list below contains modifications and new features since the release of software bundle version 4.2.

NAME	DESCRIPTION
<b>iSMA-B-MINI-RS Ver. 4.3</b> Release date 28 Sep 2016	<b>Improvements:</b> <ul style="list-style-type: none"><li>• UI filter improved (better signal stability at a lower filter time constant).</li></ul> <b>Fixed Bugs:</b> <ul style="list-style-type: none"><li>• fixed a physical output state when priority table is null in BACnet Binary/Analog/Triac Output object (when priority table is null physical output is set to relinquish default value).</li></ul>

## iSMA-B-MINI-RS Software Bundle 4.2

22 Apr 2016

The list below contains modifications and new features since the release of software bundle version 4.0.

NAME	DESCRIPTION
<b>iSMA-B-MINI-RS Ver. 4.2</b> Release date 22 Apr 2016	<b>Improvements:</b> <ul style="list-style-type: none"><li>• added new module 4TO-H</li><li>• added possibility set COV Increment via USB by iSMA-Configurator.</li></ul> <b>Fixed Bugs:</b> <ul style="list-style-type: none"><li>• fixed LED flashing in module 4U4A when AO_VALUE &gt; 0 in 0-10V mode.</li></ul>

The list below contains modifications and new features since the release of software bundle version 1.0.

NAME	DESCRIPTION
<b>iSMA-B-MINI-RS Ver. 4.0</b> Release date 18 Jan 2016	<p><b>New Functionalities:</b></p> <ul style="list-style-type: none"> <li>• new BACnet objects for configuration, detail in manual</li> <li>• added BACnet device property (Active COV Subscriptions);</li> <li>• added BACnet objects for additional modes in 4I4O.</li> </ul> <p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>• improved configuration of flag Out Of Service and Override in digital outputs and analog outputs;</li> <li>• added COV Increment for universal inputs and analog outputs</li> <li>• BACnet Out Of Service for UI and BI with the possibility of overwriting present value;</li> <li>• BACnet Analog Output and Binary Output priority table reset after watchdog was triggered;</li> <li>• improved Resistance measurement on universal input for increased accuracy of PT1000 and NI1000;</li> <li>• improved counter of TX and RX frames in MS/TP BACnet;</li> <li>• improved additional modes in 4I4O.</li> </ul> <p><b>Fixed Bugs:</b></p> <ul style="list-style-type: none"> <li>• fixed LED flashing in module 4U4A when AO_VALUE &gt; 0 in 0-10V mode.</li> </ul>

NAME	DESCRIPTION
<b>iSMA-B-MINI-RS Ver. 1.0</b> Release date 13 Jul 2015	<p><b>Improvements:</b></p> <ul style="list-style-type: none"> <li>• improved stability and speed in BACnet MS/TP;</li> <li>• default settings after reset for Analog Outputs;</li> <li>• changed Firmware Version and Application Software Version in BACnet;</li> <li>• changed saving counters via USB and Modbus (regular verification of changing settings);</li> <li>• improved reading structure of bits in Modbus (reset irrelevant bits).</li> </ul>

NAME	DESCRIPTION
<b>iSMA-B-MINI-RS Ver. 0.8</b> Release date 12 Jun 2015	First release.