



Date: 8th April 2013

PRODUCT CHANGE NOTICE WEB SENSOR Tx5xx

Dear Valued Comet Customer,

The purpose of this communication is to inform you of the updated firmware for Tx5xx Web Sensors. During end of April 2013 new Tx5xx devices will start be shipped with new firmware version 1-5-5-00. Version 1-5-5-00 includes many new features like web based configuration or new email subsystem. Important new features are highlighted below. We are also able to delivery new devices with old firmware version 1-5-3-03 too. Request for old firmware version must be marked at order list.

With new firmware version we also change product family name to Web Sensor. Now we call P8xxx devices Web Sensor p-line and Web Sensor t-line for Tx5xx devices.

| Device number | Description | Current firmware | New version |
|---------------|------------------------------------------------------|------------------|-------------|
| T0510 | Web Sensor - temperature | 1-5-3-03 | 1-5-5-00 |
| T2514 | Web Sensor - atmospheric pressure | | |
| T3510 | Web Sensor - temperature, humidity | | |
| T3511 | Web Sensor - temperature, humidity | | |
| T3511P | Web Sensor - temperature, humidity | | |
| T4511 | Web Sensor - temperature | | |
| T5540 | Web Sensor - CO2 | | |
| T5541 | Web Sensor - CO2 | | |
| T7510 | Web Sensor - temperature, humidity and bar. pressure | | |
| T7511 | Web Sensor - temperature, humidity and bar. pressure | | |

UPDATE HIGHLIGHTS

| Feature/Enhancement | Description and Benefit |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Web-based configuration | New web-based configuration for device setup. Configuration software TSensor is available too. Support for Telnet configuration feature was removed at firmware 1-5-5-00. |
| New web pages | Web pages with new design. New HTML5 graphs, new export into CSV file, etc. |
| Improved web server | Web server works fastest and supports multiple simultaneous connections. |
| Improved email subsystem | DNS for SMTP server address is supported now. Repeating email sending and email attachments are supported too. |
| History up to 1000 values / channel | Number of history values inside memory was increased from 100 to 1000. |
| Improved ModbusTCP protocol | New ModbusTCP engine. Device supports two Modbus connections at one moment. Modbus write feature was removed. |
| Improved SNMP stack | Added new OIDs. |
| User accounts | Two user accounts. One for device configuration and one for measured values viewing. |
| Demo mode | Demo mode where saving configuration is disabled. |
| Other bug-fixs and improvements | Hundreds improvements and changes according requests of customers. |

SOFTWARE SUPPORT

| Software | Availability | Notice |
|--------------------------------|--------------|----------------------|
| TSensor configuration software | now | min. version 3.0.5.0 |
| DBS Sensor Monitor | now | |
| SensorReader software | now | min. version 2.0.1.0 |

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PROTOCOL COMPATIBILITY

In main areas is new firmware 1-5-5-00 compatible with old firmware 1-5-3-03. Differences are this:

| Protocol | Differences |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Modbus protocol | ModbusTCP server now has two sockets for incoming connections. Addresses of ModbusTCP registers for values reading are fully compatible. Changing alarms limits via Modbus write command was removed. |
| SNMPv1 protocol | Main OID's are compatible. Now is supported only SNMP read feature. Compatible OID's: .1.3.6.1.4.1.22626.1.2.1.1 - .1.3.6.1.4.1.22626.1.2.1.4 .1.3.6.1.4.1.22626.1.2.3.1 - .1.3.6.1.4.1.22626.1.2.3.4 .1.3.6.1.4.1.22626.1.2.4.1 - .1.3.6.1.4.1.22626.1.2.4.16 .1.3.6.1.4.1.22626.1.2.5.1 .1.3.6.1.4.1.22626.1.5.6.1.1.1.nr .1.3.6.1.4.1.22626.1.5.6.1.1.2.nr .1.3.6.1.4.1.22626.1.5.6.1.1.3.nr .1.3.6.1.4.1.22626.1.5.6.1.1.4.nr |
| SOAP protocol | Fully compatible. |
| SNMP Trap | Different trap numbers. |
| Syslog | Compatible with RFC5424 and RFC5426. Different Syslog messages. |
| WWW pages | Web based configuration. Graphs are based on HTMP5 canvas instead javascript library jsgraphics.js. |
| Email | New features. DNS for SMTP server address supported. Email attachments supported. Different text inside email. |
| Telnet | Telnet feature removed. Web configuration can be used instead telnet. |

UPDATE AVAILABILITY

Firmware update for existing Tx5xx devices will be free of cost available at Comet web pages during few months. Update will not be applicable to all Tx5xx. Now we are investigating update compatibility with old devices. For this moment we can only say, that devices shipped in years 2011, 2012 and 2013 are compatible with new firmware. Update availability will be announced at newsletter.

DEMO DEVICE WEB SENSOR T7511

We updated our demo device to latest firmware. Demo is available at address: <http://212.111.6.29>.

Comet R&D department

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