Version 11 notes:
- Improved counters with 24 bist cumulative non volatile
- daily UTC sync
- invers condition for alarm
- also email when alarm is not active anymore

Version 10 notes:

- more email alarms possible
- username and password to change
- simplified webserver for easier use in smartphones
- reset after changing settings via webserver
- improved watchdog timer
- windvane 4-20 mA with av, st dev.

Version 8 :

Synchronized logging at xy:10 xy:20 etc. possible

Time synchronisation possibilities for iBOX (GMT/UTC time) and synchronized logging

New features version 7:

- reset system after setting time/date
- improved webserver
  - with optional control outputs via webser, reset card via webserver
  - system operating also wih linux servers
  - improved helpfile

Main new features:for version 5 and 6:

- windvane with 0-360 range (without dead band compensation)
- windvane with 4..20 mA input
- for iBOX: now also ultra low power mode is possible and with switch for switching router (eg 12 V DC) so it can operate with a battery or small solar power supply at remote sites.
- When a GPRS or 3G router is used an ultra low power wireless system is possible!
  The router will switch automatically on when the iBOX want to send data (at adjustable intervals, see control software version 6) .
- When you use a wireless router we recommend to use a sim card with fixed ip number, so you can make direct contact with the webserver for reading values and changing parameters
  (additional instructions available when GPRS/3G router is supplied with the system)

  NOTE: when the iBOX is supplied in ultra low power mode you can make direct contact with the iBOX when you connect the Ethernet cable first to the (at least one minute unpowered) iBOX and then connect the power supply to the iBOX . Low power mode is enabled again after you disconnect and connect the power of the iBOX is again and carried out *without* Ethernet cable connected!

Other features which are implemented for iBOX and /or EKO21N

Version 4

- IP number adjustabel for iBOX via control program and adjustable filename for current values iBOX
- temp/humidity sensor input with temperature compensatio
- can be used for entering parameters at SD card for iSENSE (without datalogging at SD card)

version 3
QUAD band modem for EKO21N-iP
- transmit data via GPRS in txt files, which are easy to copy and paste in text editor to create one file from other files . Afterwards import the file in Excel with ; delimiter

version 2 new clock system

EKOPOWER suplies data services for iBOX and EKO21-iP:
- obtaining datafiles from our server (for test & evaluation purposes)
- design online graphs for intergrating in your website
- assist you in setting up your own server or a Virual Private Server (VPS).

How to download a datafile from a server via your browser?
This can be done from any pc with internet connection.
You need only to know the unique ip server address and directory name.
See demo at http://216.67.244.19/data/demo/

Simply right-click at a datafile and choose: Save as!
Now you can save the datafiles in a directory of your PC!
This datafile can be imported in e.g. Excel (note to choose ; as delimiter)
We agree: it is simple and effective!
If you have an own server you can ALSO do this using an FTP program.

Using the free program TXT collector you can easily combine smaller files to one big file!
We can supply you this free of charge.

The supplied header file give the sequence of the values in the datafile for each channel.

- For (**special**) systems for fast logging the RS232 control is only available when the SD card is taken out.
  So for adjusting the settings (eg time of the system and data directory) at first put the card out.
  A fast logging session can be started, put prepared high capacity SD card (eg 1 GB) in the slot and then apply
  power and the green LED will flash continiously. Stop the session by taking the card out and disconnect the
  power. Put the card in the slot and use the memory card menu to obtain the datafile in the earlier specified
  directory.

Additional Notes for running the program in Vista in XP mode: (we donot recommend to use Vista)

- Before running the program at first make a map for storing the data (one map for each logger)
  This procedure is required as in Windows Vista you can only make maps yourself.

Vista has been plagued with a range of compatibility and support issues since its commercial availability at the
end of January 2007. Although users have been putting the heat on
– because programs that functioned with little or no issues on XP fail to deliver the same performance and
functionality in Windows Vista - it is not actually the Redmond Company's fault.

In fact, Microsoft has prepared Windows Vista just for such an occasion. While obviously Microsoft's hands are
tied when it comes to delivering support for third party applications, compatibility is a different matter
altogether. This is one aspect that Microsoft has nailed by preemptively providing a fix.

"Program compatibility is a mode in Windows that lets you run programs written for earlier versions of
Windows. Most programs written for also work in this version of Windows, but some older programs might run
poorly or not run at all. If an older program doesn't run correctly, start the Program Compatibility Wizard to
simulate earlier versions of Windows," revealed Microsoft.

You will simply have to right click the setup application or executable (*.exe) and, from the context menu
that will pop-up, select Properties. Choose the Compatibility tab, check the box in the Compatibility area
next to "Run this program in compatibility mode for" and then select the operating system that you used
to run the application in.

Microsoft delivers a consistent set of options. In fact, applications can be run in compatibility mode for Windows
95, Windows 98, Windows ME, Windows NT 4.0 (SP5), Windows 2000, Windows XP SP2 and Windows
Server 2003 (SP1).

Succes and best regards

The EKOPOWER team   www.ekopower.nl