XWEB5000: Fully programmable system

A new concept, the supervision, is the main new feature of this monitoring unit by Dixell. For the first time the user will be able to program on its own several different actions that the supervisor will later accomplish. On the market only an industrial PLC can be compared to the power and flexibility of XWEB5000, clearly without endorsing the same facility and usability

Supervision means the ability of the monitoring unit to interact with the monitored application by means of command sending events. The supervising project depends on the link that the user creates between the input variables (inputs, status and outputs of a controller) and the actions that must be accomplished when the programmed conditions are met. If compared to a standard PLC, where the user is forced to know the specific programming language, by using XWEB5000 the project can be developed thanks to a graphic user interface, but what is more important, there is no need to learn a programming language. The user will be able to create projects devoted to energy saving, simply switching set-points and loads according to special events and time-band. A specific software is not necessary: the supervising software has been written in JAVA and it runs on the client PC. The project is saved on XWEB5000 and thanks to a more powerful hardware than the XWEB3000, several projects can be run at the same time.

Dixell, thanks to its ten-year experience in the industrial refrigeration market and even more important, thanks to the tight relationship with the customer, has also developed a specific module intended to energy-saving politics. The C.R.O. (compressor rack optimizer) basically works with 2 parameters: suction pressure of the compressor rack and the worst case cabinet. The former is detected via a XC1000D controller by Dixell, the latter is computed according to a special algorithm based on the time-switching of the solenoid relay.

This propriety algorithm mixes together into a winning software tool the complexity of the refrigeration system and the easy parameter programming of the user interface. Moreover, once again the software is a JAVA APPLET, it means no need to install a PC software. The testing phase has finished positively and it allows us to provide our customers with figures that prove a savings of several percentage points in energy consumption. Data depends on the seasonal period and varies from installation to installation.

XWEB5000 can also be updated via Internet, so the user can always obtains in a fast and easy way the latest improvement introduced by Dixell.

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