

PROGRAMMABLE SOLUTION

Dixell, with the iPro series, presents a revolutionary range of electronic programmable controllers. This new family, dedicated whether for HVAC units (iPRO Chill and Domo) or for general purposes and refrigeration (iPRO Genius), is characterized by the most advanced technology in connectivity and processing speed. It is based on a powerful platform that includes one hardware configuration that is able to expand the actual solution in the market, and a software that, thanks to the ISaGRAF® development environment allows the development through standard programming languages. An easy and useful HMI is also guaranteed through the VISOGRAPH graphic display, as the expandability and the solution to many applications are satisfied with a complete range of accessories, among which, I/O expansion modules and proportional electronic valve management, modem, wiring... These controllers, based on LINUX operative system, provide a high level of technology for ease of external connectivity and programmability providing simple answers to every application's needs, while ensuring a complete local or remote monitoring.

iProCHILL

The series is the Dixell's answer to the requirements of the air-conditioning world; the controllers are suitable for all chillers, heat pump and geothermal heat pump units up to 4 circuits and 16 compressors. These instruments are complete and easy to use, they are the correct solution for the majority of the chiller-machines, including the most complex, and can manage systems such as: air/air – "roof top", air/water, water/water, motor-condensing.

iProDOMO

The controllers are suitable for civil area in terms of cooling, heating and comfort. They are the ideal solution for plant management that integrates traditional sources like boilers or chiller/heat pumps, dehumidification units, solar panel, radiant systems and renewable sources like geothermal, photovoltaic solar and biomasses. The climatic environments check, made by temperature and humidity probes, ensures correct thermohydrimetric conditions and allows preventive actions in order to reach a comfort status. iProDOMO is also suitable in home & building automation field allowing communication with home automation systems plants for residential, commercial or hotel use with integration of presence sensors, lights check, alarm systems, etc...

iProGENIUS

The series satisfy all requirements regarding the controlling and management of refrigeration, heating, ventilation, electric power and all building automation services. They are suited for all applications in the PLC world and they find applications in many shopping centres, hospitals, airports, boatyards, energy management plants, and so on...