

press release

BOSS, THE NEW MOBILE-READY LOCAL SUPERVISOR

*Built-in Wi-Fi for access from all mobile devices:
centralised management for system optimisation*

Brugine (Padova), 11 October 2016 - CAREL, a multinational specialising in control solutions for air-conditioning, refrigeration and air humidification, at Chillventa will be presenting **boss, the new mobile-ready local supervisor**. This supervisor is completely browsable from all mobile devices, for both daily access and system maintenance, right from commissioning. The responsive design means all of the boss pages, both programming and day-to-day use, can be accessed from different mobile devices. The graphics on the pages adapt automatically to the device they are displayed on, making the content easy to use. Typical operating system functions can also be accessed using the web interface, the first time ever for a supervisory system. This means maintenance operations can be performed via a remote connection.

Secure browsing and BACnet® protocol

The HTTPS protocol is used to ensure secure data transfer over the web from boss to the external devices, guaranteeing data confidentiality. A customised operating system further ensures system reliability.

Implementation of the BACnet® protocol, the leader in HVAC supervision applications, increases the possibility to integrate third party devices. boss can thus interact with the widest range of devices in the HVAC/R sector.

System optimisation

boss can automatically synchronise data and alarms with CAREL RemotePRO, so as to keep the situation on all connected systems under control from just one interface. Centralised system management also increases reliability, through alarm analysis and scheduling of service. It also allows increased energy efficiency by comparing energy consumption and performance between the different sites and identifying possible cost reduction actions.

Many system optimisation functions are included, such as performance index, energy consumption control and management, and parameter control, just to mention a few.

Applications: refrigeration and air-conditioning

In addition to all the functions of a standard supervisor, boss all includes functions for **managing refrigeration units and interaction between units**, meaning not only is the system controlled, but also optimised in terms of thermodynamic performance and energy consumption. CAREL's extensive and in-depth knowledge of these applications has also led to the development of user interfaces that are configured based on the type of user (installer, maintenance personnel, system manager, etc.) and the type of use, so as ensure simpler and faster commissioning.

Extensive configurability, customisation of maps, the introduction of new protocols and the possibility to communicate with other devices via Ethernet, make boss ideal for **HVAC applications**. The supervisor can also interface with other BMS systems, for example in large buildings where the main BMS manages those systems that are not included among the functions handled by boss. In this case, boss manages the HVAC systems, providing specific

data that creates added value for the end customer, and then sharing with the main BMS only the information needed to understand system status.

CAREL @ Chillventa

Hall 5 stand 306 / 308
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About CAREL

CAREL is one of the world leaders in control solutions for air-conditioning, refrigeration and heating, and systems for humidification and evaporative cooling. Our products are designed to bring energy savings and reduce the environmental impact of equipment and systems. Our solutions are used in commercial, industrial and residential applications. CAREL has 19 fully-owned subsidiaries and 7 production sites, as well as partners and distributors in a further 75 countries.

For further information, go to www.carel.com