

Information

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CentraLine by Honeywell offers integrated room management with the freely programmable controller MERLIN NX

SCHÖNAICH, May 2019 – CentraLine by Honeywell is launching MERLIN NX, a programmable Niagara 4 BACnet MS/TP room controller that enables integrated room management and offers outstanding application engineering and installation advantages.

Enhanced energy efficiency

Being freely programmable, MERLIN NX can work with most applications, from heating, ventilation and air conditioning (HVAC), to lighting and shading. It can communicate energy demands to the plant control level, optimizing not only energy use for cooling and heating but also overall energy efficiency.

Using CentraLine's Niagara eXtended (NX), the room controller is part of the Single-Tool-Engineering throughout the building management system, thereby also offering consistent and flexible handling options for the building operator – from room and plant control to supervisor level and even cloud-managed solutions.

With common control strategies across HVAC, lighting and shading, MERLIN NX ensures the top-level classification A of the EN 15232 standard and helps to meet EU CO2 reduction targets. The use of state-of-the-art function blocks enables both efficient engineering as well as maximum energy savings. The function block “shading”, for example, supports height and slat angle positioning. It has inputs for emergency signals

(e.g., strong wind), manual settings, and application-specific settings (freely programmable). With all relevant information included in the function block, application engineers do not need to know all the details regarding the sunblind positioning. They can focus on customer specific application logic like activating the blind for solar heating if a room is unoccupied.

Engineering advantages

Niagara eXtended offers a multitude of engineering advantages for room control applications:

- Single-Tool-Engineering through NX applies throughout the whole building management system (BMS), thereby seamlessly integrating room control strategies.
- Offline Engineering minimizes the time spent on engineering at the project site. The CentraLine partner can prepare everything in the office, saving time on the construction site and enabling the entire project to be handled efficiently.
- Live Engineering enables easy application optimizations without any need for downloads. This includes display of live values from controllers on a function block level. A special algorithm allows fast differential downloads.

Cost-effective installation and commissioning

MERLIN NX uses BACnet MS/TP a simple 2-wire cabling that can be used for installation. This greatly reduces costs not only for new construction, but also for refurbishments, where the 2-wire cabling often already in place can be reused. To cover different installation requirements, the controller can be universally mounted on DIN rails, small installation housings and onto walls, including optional terminal covers.

The installation costs are minimized further as the controller offers 24 VAC aux. output voltage, allowing direct connection and powering of field devices. Furthermore, the Master-Follower-Concept enables the fully automated rollout of application changes from a master controller to all other networked controllers, allowing quick adaptations whenever needed. This is a particular advantage in buildings with numerous similar rooms, such as those found in hotels or large office buildings. This enables faster programming and commissioning as well as simplifies subsequent changes.

Future-safe investment

The free programmability of the MERLIN NX makes adaptations to future application needs easy. Its vendor-independent offering (Niagara, BACnet) keeps all options open for the future. New Connected Building Management services can easily be utilized via the integrated cloud connector on plant control and supervision levels.

MERLIN NX is available in 24 VAC and 230 VAC versions and with various input/output options.

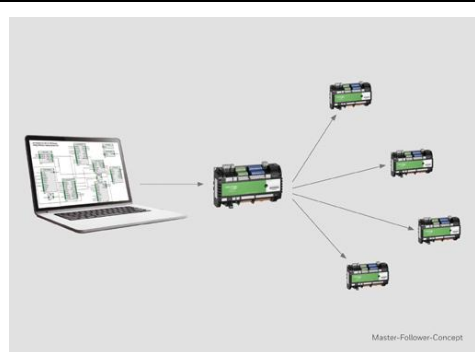
What is Niagara eXtended?

Niagara eXtended is the CentraLine engineering tool, covering all application needs, from room to plant control, and up to supervision and cloud solutions. It is an enhancement of Niagara 4 – the industry-leading platform for integrated building management – the NX version offers additional benefits and value to CentraLine customers and partners.

Images (CentraLine, printing free of charge if image source is mentioned):



The MERLIN NX from CentraLine by Honeywell is a freely programmable Niagara 4 BACnet MS/TP room controller that can handle all room control requirements.



The Master-Follower-Concept enables the fully automated rollout of application changes from a master controller to all other networked controllers, allowing quick adaptations whenever needed.

You can find more information about CentraLine online at www.centraline.com

About Honeywell Building Technologies

Honeywell Building Technologies (HBT) is a global business with more than 23,000 employees. HBT creates products, software and technologies found in more than 10 million buildings worldwide. Commercial building owners and occupants use our technologies to ensure their facilities are safe, energy efficient, sustainable and productive. For more news and information on Honeywell Building Technologies, visit <http://www.honeywell.com/newsroom>.

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