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HVAC Business Unit Newsletter

Issue 35 July 2024

New Remote Display for Belimo Devices

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SPOTLIGHT ON: New Remote Display for Belimo Devices

BELIMO

Belimo has introduced the EXT-SF-D4, its latest 4” HMI touch display panel for Belimo devices. It is designed to enhance your control experience by allowing you to connect up to five Belimo devices.

The EXT-SF-D4 seamlessly communicates with Belimo devices using the BACnet MSTP communication protocol. It also acts as a gateway for the communication between all the devices and the Building Management System (BMS) via BACnet MSTP.

Features

4” HMI touch display panel
Connect with max. 5 no. of devices
Built-in with logic program function
Support BACnet IP, BACnet MSTP

Remote Display EXT-SF-D4

Supported Belimo devices include:

Product Family	Type Code	Program Code
Energy Valve 4	EVxxxR2+BAC/ EVxxxR2+KBAC/ EVxxxR2+MID	RD-5EV4
Energy Valve 3	EVxxxR+BAC/ EVxxxR+BAC	RD-5EV3
ePIV 4	EPxxxR2+BAC/ EPxxxR2+KBAC	RD-5EP4
ePIV 3	EPxxxR+MOD/ EPxxxF+MOD	RD-5EP3
TEM MID	22PEM-1Ux	RD-5PEM
TEM	22PE-1Ux	RD-5PE
Flow Meter	22PF-1Ux	RD-5PF

Contact your local Eurotec HVAC Sales Engineer or give us a call on 09 579 1990.

Thermodynamics on Kelvin's birth anniversary

Have you ever wondered why energy is needed to run your fridge? Or why the unit of thermodynamic temperature is called the kelvin? To answer these questions, we need to go back 200 years to the birth of a key physicist in this field… and that's not all!

Lord Kelvin, a British physicist born on 26 June 1824 in Belfast, discovered that absolute zero is minus 273.15 degrees Celsius. This is why World Refrigeration Day is celebrated on his birthday each year. One of his famous statements, "If you cannot measure it, you cannot improve it," has become a part of common wisdom.

So, why do we need electricity to keep our food cold? Among his many discoveries, Lord Kelvin made significant contributions to the development of the second law of thermodynamics. This law states that in any spontaneous process, the entropy of the universe increases. Entropy, simply put, is a measure of disorder.

Click here to read more about thermodynamics.

Efficient and sustainable predictive maintenance

Poorly-maintained equipment reduces efficiency, quality, and productivity, leading to higher costs. Organizations should prioritize preventive maintenance through digitalization and predictive maintenance. IoT devices enable continuous monitoring, collecting data for analysis to improve maintenance operations.

AI-driven predictive algorithms optimize operations, prevent malfunctions, and plan maintenance efficiently, identifying issues and predicting failures.

Click here to learn about how predictive maintenance systems are developed and what are their benefits.

Contact your local Eurotec HVAC Sales Engineer for further information on the products mentioned in this newsletter or to discuss your project requirements.

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