

## Optimise the energy consumption of your food retail refrigeration system with the new EEC Electronic Coil Controller

**Teaser:** Low operating costs, silent operation and prolonged valve life make the EEC Electronic Coil Controller a must-have for display cabinets.

The preferred component supplier for food retail refrigeration systems, Danfoss is constantly looking for new ways to optimise customers' in-store refrigeration processes. With CO<sub>2</sub> systems becoming more and more popular, the need for robust components that can cope with the high pressure required to run these systems is increasing. To help prolong the life of standard expansion devices in refrigerated food display cabinets, Danfoss designed the EEC Electronic Coil Controller. Coming to market in the third quarter of 2012, the connector is designed for long-term operating cost savings.



### Up to 50% energy savings

The latest addition to Danfoss' impressive portfolio for CO<sub>2</sub> refrigeration systems, the EEC Electronic Coil Controller extends the life of the AKVH expansion valve. The EEC Electronic Coil Controller helps overcome high differential pressure in 230VAC systems using a 100VDC coil. By providing a short over-boost – the connector only supplies high power to the coil to initiate opening – the amount of energy needed to keep the valve open is reduced to a fraction of what otherwise would be used, which leads to energy savings. The AK-CC range of controllers can still be utilized together with the EEC, and still make sure that optimum suction pressure is maintained in the system thanks to the ADAPKOOL technology.

### Silent and long lasting

Due to the advanced “soft opening” technology, the EEC Electronic Coil Controller ensures silent operation. In-situ testing on the AKVH has proved noise levels to be significantly below background noise levels. Noise level reduction will vary up to 7 – 12 dB depending on the system. Extensive testing has revealed longer valve lifetime thanks to significantly reduced wear and tear. The EEC will be the standard connector to use with the AKVH going forward.

For more information about the EEC Electronic Coil Controller or CO<sub>2</sub> refrigeration components, please contact your nearest Danfoss dealer.