

## **FrigoPackE FMV WITH NEW *FrigoSoft* E2N REFRIGERATION SOFTWARE**

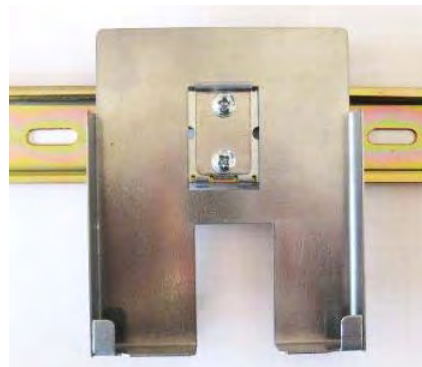
As from May 2015 **FrigoPackE(I) FMV** inverters **FS E1, E2** will use the new enhanced refrigeration software **FrigoSoft E2N**.

Many of the new features are not obvious on first sight – most refrigeration installers will not notice the difference.

For experts and distribution partners (especially for stock holding) there are some very useful enhancements and upgrades which are described in the following:

- **Handling and operation easier than before**

- Arrow keys **↑** and **↓** with identical direction of action as within the inverter family  
**FrigoPack FEP** and **FrigoPack FU+** (new from late 2015).
- The refrigeration software **FrigoSoft E2N** replaces the previous versions **FrigoSoft E1** and **E2**, and is suitable for use with the **Isesco** control system (auto-detection without adaption).
- It is no longer possible to delete the refrigeration software by mistake.
- Use of the separate keypad for comfortable set-up and diagnosis procedures; English as the standard setting; but other languages on demand: Deutsch, Français, Español and more.



+ Cable and mounting for 35 mm DIN rails.

- **Improved adaptation to compressors and new refrigerants**

- Higher starting-torque (website selection software **FrigoPack-select** will be extended)
- Suggestions for **LT, MT, IT** and **HT** settings with refrigerants **R134a** (now factory-setting), **R404A, R507A** as well as for new refrigerants **R407F, R448A / N-40, R449A / XP40, R450A / N13** are included in the new Quick-Start Guides in 5 languages.
- Intelligent current limiting considering the mass flow of compressor cooling:
  - Enlarged frequency range possible
  - Better energy-saving and control performance
- Inhibit time now initiated after previous start. This results in a shorter and more intelligent stopped time.
- Faster reduction in speed below setpoint to avoid unnecessary compressor stopping.

- **Improved performance with small two-compressor racks**

- Improved control of second compressor  
(second compressor is only activated if the first compressor has been constantly working at maximum frequency limit for a long period of time)

- **Functional expansion with the Iseco Refrigeration Control System**

- Refrigerant transformations (pressure → temperature) with double displays:

I02:te__tc TEMP -10.0 30.0 °C	Evaporating and condensing temperatures
I03:pe__pc PRESS 3.3 13.1 bar	Evaporating and condensing pressures
I07:VsC ELC A_Hz 9.7 68.0 Hz	Variable-speed Compressor: Current and Frequency
REFRIGERANT R404A	Selectable Refrigerant

- Optimum operation with compressor rotation:
  - with  $\geq 2$  compressors
- Energy-saving by:
  - Automatic increase of the evaporation temperature at low loads
  - Adaptation of the condensation temperature to the ambient temperature
- High operational safety and reliability by integrated redundant control
- Operation with 1, 2 or 3 compressors (with 4 or 5 compressors from end of 2015)
- Extended functionality from 2016:
  - Cascade operation
  - Chillers / Air-handling units
  - Heat pumps.

**NOTE:**

This is a new product of KIMO RHVAC Controls Ltd, German Branch.

[www.frigokimo.com](http://www.frigokimo.com) (as from June 2015).