OPERATION OF *FrigoPack* E FMV WITH RS485 MODBUS RTU

Reliable operation is only possible if the following parts are mounted and the recommended following settings made:

Required serial interface module and cable for operation with RS485:
- *MotorMaster* O-FM-RS232/485
- **Accessory** PCC-4-1mBlck
  (1 m for connection to the RS232-Port, other cable lengths are available)

Connections:

RS485 screw Terminals:
  A (Data **+** / P):   Data
  B (Data **-** / N):   Data
  Scn: Screen

Parametersettings to enable RS485 operation with Modbus RTU

Small	Alternative keypads	Large
SEt | SErL|	←Navigation→ Explanation: Setting Action	SETUP | SERIAL COMMS |
SE01	Standard setting for refrigeration: **0** (verify *)	REMOTE COMMS SEL
SE02	Standard setting for refrigeration: **0.0 s** (verify *)	COMMS TIMEOUT
SE03	Address in fieldbus network: **2** **(modify if necessary *)**	COMMS ADDRESS
SE04	Communication speed: **4 / 9600** (verify *)	COMMS BAUD RATE
SE05	Communication parity: **0 / NONE** (verify *)	COMMS PARITY
SE06	Reply delay: **0 / 0 ms** (increase if necessary *)	REPLY DELAY
SE07	Alternative selection: **3 / MODBUS** (Betrieb mit RS485 Modbus RTU *) **0 / AUTOMATIC** (Standard (normaler Betrieb *)	PROTOCOL, (OP)
SE08	Standard setting for refrigeration: **0 / AUTOMATIC** (verify *)	PROTOCOL, (P3)

* Refer to next page for information on password protection.

Application
Information
Number: 018.2

Products:
FrigoPack(E) FMV
Key words: RS485 Modbus RTU,
Settings

Password

Modifyingthere settings is only possible after entering a special password.
When the following is displayed:

PASS   **PASSWORD**

then enter the password as shown below:

0000   **0000**

↓↓↓↓   ↯↯↯↯

8670   **8670**

followed by pressing key '**E**'

Restoring passwrod protection

It is urgently recommended that the password is reset after making this modification.
There are two alternative methods of doing this, see the following:

● Disconnect the power supply to *FrigoPack*, wait until the display is dark and then reconnect
  the power again

● Navigate to the top of the parameter tree by pressing the key '**E**' many times, then navigate to
  the following menu

APP   **APPLICATION**.

by pressing key '**M**'.