

ESSENTIAL INFORMATION FOR FAULT FINDING AND PROBLEM SOLVING IN INSTALLATIONS WITH *FRIGOPACK* FEP



Basic installation data and settings are needed for effective trouble-shooting, analysis and problem-solving:

**1. REFERENCE/
CUSTOMER:** _____

2. INVERTER DATA: Type¹: _____

Software version²: _____

Please press key „E“ several times to reach start menu level

¹) note content of 1st display line

²) note content of 2nd display line

Serial number: _____
(see type plate)

Trip message as displayed: _____

**Further comments on trip occurrence
(how often, special time of day?):** _____

Anything special about installation? _____

**Please enter data given in parameter
„DIGITAL I/O“ (Menu *Diagnostics*):** _ _ _ _

3. INSTALLATION:

Refrigerant: R _____

Compressor: Manufacturer: _____

Compressor VsC1 (variable speed): _____ (type)

Compressor FsC2 (fixed speed): _____ / _____ (type/number)

Compressor with capacity control (CC): _____

Type of installation:

Low temp. (LT) Temp./Op. points: _____

Medium temp. (MT) Temp./Op. points: _____

A/C Temp./Op. points: _____

Chiller

Heat pump

Condenser

Other:

4. CONFIGURATION:

- Direct evaporation _____ (temperature)
- Direct condensation _____ (temperature)
- Cold medium _____ (temperature)
- Heat medium _____ (temperature)
- Cascade _____
- Other: _____

5. CONTROLLING:

- Suction pressure control with pressure sensor
- Evaporation pressure control with pressure sensor
- External control with 0... +10 V signal
- External controls with setpoint adjustment 0 ... +10 V
- Temperature control of chiller medium
- Outside temperature guided condensation (floating control)
- Time-controlled evaporation temperature (night-time increase)
- Isesco** energy-saving intelligent control system

6. TRIP DIAGNOSIS

Please enter values in menu „Diagnostics/...Trips/FIRST TRIP...TRIP 1..10“ into table on page 3 and send to supplier

7. CIRCUIT DIAGRAMS

Please send electrical wiring/circuit diagrams of installation to KIMO !

8. COMMENTS:

Diagnose

Digital inputs:

Trips:

State indications:

Important installation data:

Please fill in all yellow fields.
 If cell AT116 is filled in correctly, then the correct times will be calculated

DIAGNOSTICS menu at level 1	DRIVE FREQUENCY = YY.YY Hz
	DIGITAL I/O = YYYY
	ACTIVE TRIPS = YYYY
	ACTIVE TRIPS+ = YYYY
	WARNINGS = YYYY
	WARNINGS+ = YYYY
	FIRST TRIP = YYYY
	TRIP 1 (NEWEST) = YYYY
	TRIP 1 TIME = TYY:YYYYYYYYYY
	TRIP 2 = YYYY
	TRIP 2 TIME = TYY:YYYYYYYYYY
	TRIP 3 = YYYY
	TRIP 3 TIME = TYY:YYYYYYYYYY
	TRIP 4 = YYYY
	TRIP 4 TIME = TYY:YYYYYYYYYY
	TRIP 5 = YYYY
	TRIP 5 TIME = TYY:YYYYYYYYYY
	TRIP 6 = YYYY
	TRIP 6 TIME = TYY:YYYYYYYYYY
	TRIP 7 = YYYY
	TRIP 7 TIME = TYY:YYYYYYYYYY
	TRIP 8 = YYYY
	TRIP 8 TIME = TYY:YYYYYYYYYY
	TRIP 9 = YYYY
	TRIP 9 TIME = TYY:YYYYYYYYYY
	TRIP 10 (OLDEST) = YYYY
	TRIP 10 TIME = TYY:YYYYYYYYYY
	TIME IN SERVICE = YYYY
	TIME RUNNING = TYY:YYYYYYYYYY
	START COUNT = YYYY
	ATTEMPTS LEFT = TYY:YYYYYYYYYY
	TIME LEFT = TYY:YYYYYYYYYY
	SEQUENCER STATE = YYYY
	MOTOR STATE = TYY:YYYYYYYYYY

Internal value	Variable-speed Compressor: Motor Frequency
Value	Digital inputs and outputs
Trips	Active trips: First set
Trips	Active trips: Second set
Warnings	Warnings: First set
Warnings	Warnings: Second set
Trip	Trip which caused shut down
Trip	Trip 1 (newest) which caused shut down
Time	Time trip 1 occurred Days ago: 0,00 d Approx. Time: 0.1.00 0:00
Trip	Trip 2
Time	Time trip 2 occurred Days ago: 0,00 d Approx. Time: 0.1.00 0:00
Trip	Trip 3
Time	Time trip 3 occurred Days ago: 0,00 d Approx. Time: 0.1.00 0:00
Trip	Trip 4
Time	Time trip 4 occurred Days ago: 0,00 d Approx. Time: 0.1.00 0:00
Trip	Trip 5
Time	Time trip 5 occurred Days ago: 0,00 d Approx. Time: 0.1.00 0:00
Trip	Trip 6
Time	Time trip 6 occurred Days ago: 0,00 d Approx. Time: 0.1.00 0:00
Trip	Time trip 7 occurred
Time	Time trip 6 occurred Days ago: 0,00 d Approx. Time: 0.1.00 0:00
Trip	Trip 8
Time	Time trip 8 occurred Days ago: 0,00 d Approx. Time: 0.1.00 0:00
Trip	Trip 9
Time	Time trip 9 occurred Days ago: 0,00 d Approx. Time: 0.1.00 0:00
Trip	Trip 10 (oldest) which caused shut down
Time	Time trip 10 occurred Days ago: 0,00 d Approx. Time: 0.1.00 0:00
Time	Time powered up Days: 0,00 d
Time	Time VsC running Days: 0,00 d
Value	Number of VsC starts
Value	Autorestart logic: Attempts left
Value	Autorestart logic: Time to next start attempt
Status	Operating status: Sequencer control state
Status	VsC operating status: Sequencer control state

End Customer:	
Endkunde:	
Installation:	
Section:	
Date / Time:	
Person:	