

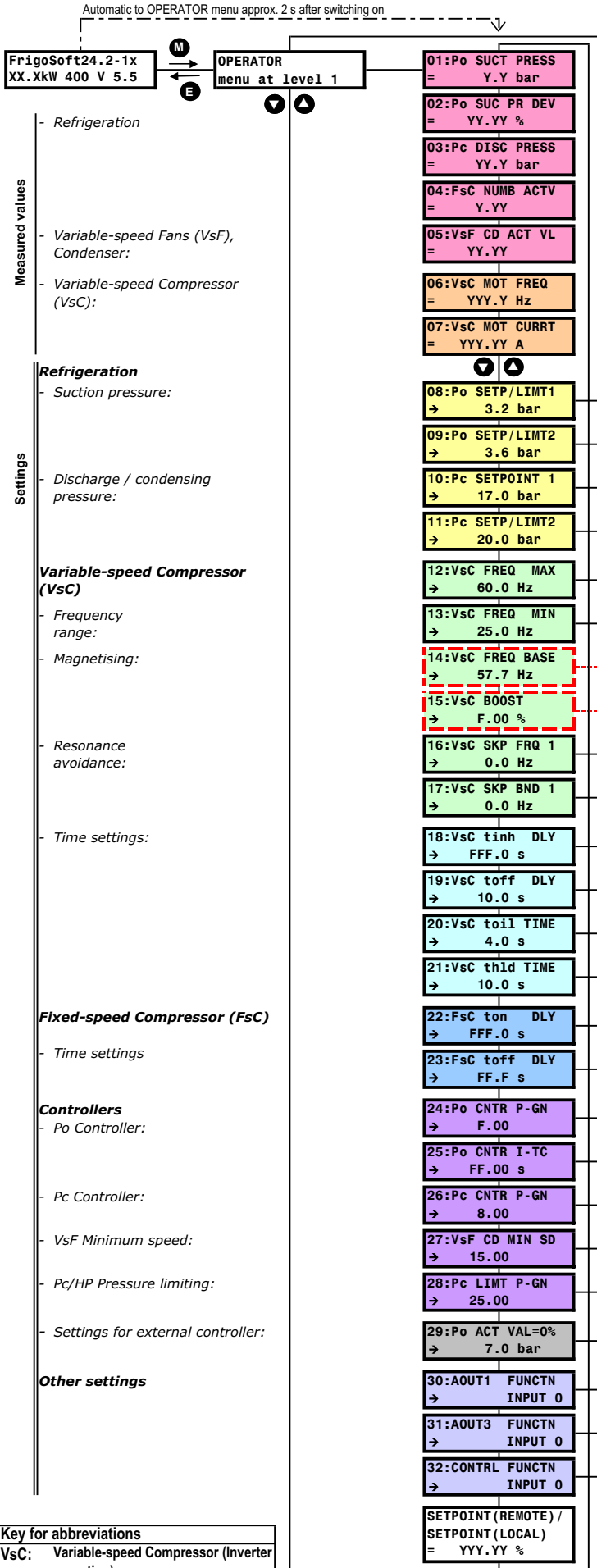
PARAMETER LIST

FrigoPack FEP-12/
FrigoSoft 2.4

REFR/COOL

Refrigeration HVAC

FS 2.4.2-2x



Type Value	Description	Further information
Measured value	Po, Suction pressure: -0.5 ... 7.0 bar	9.1.1
Deviation	Po, Suction pressure: -100.00 ... 100.00 %	
Measured value	Pc, Discharge / condens. pressure: 0.0 ... 25.0 bar	
Measured value	Fixed-speed Compressors: Number active (in operation)	9.1.2
Actuating value	Variable speed Fan, cond.: 0.00 ... 100.00 (%)	
Measured value	Variable-speed Compressor: Motor Frequency	9.1.3
Measured value	Variable-speed Compressor: Motor current	
Set value 1	Po1, Setpoint / Limit: -0.5 ... 7.0 bar	8.3.2/3
Set value 2	Po2, Setpoint / Limit: -0.5 ... 7.0 bar	
Set value	Pc1, Setpoint: 0.0 ... 25.0 bar	8.3.4
Set value	Pc2, Setpoint / Limit: 0.0 ... 25.0 bar	8.3.5
Set value	VsC, Maximum frequency: 15.0 ... 90.0 Hz	8.4.1
Set value	VsC, Minimum frequency: 15.0 ... 90.0 Hz	
Set value	VsC, Base frequency: 50.0 ... 90.0 Hz	8.4.2
Set value	VsC, Boost: 0.00 ... 10.00 %	
Set value	VsC, Skip frequency: 0.0 ... 90.0 Hz	8.4.3
Set value	VsC, Skip frequency band: 0.0 ... 10.0 Hz	8.5.1
Set value	VsC, Inhibit delay: 0.1 ... 3000.0 s	
Set value	VsC, Switch-off delay: 0.1 ... 3000.0 s	
Set value	VsC, Oil lubrication pulse time: 0.1 ... 3000.0 s	
Set value	VsC, Hold time: 0.1 ... 3000.0 s	
Set value	FsC, Switch-on delay: 0.1 ... 3000.0 s	8.5.2
Set value	FsC, Switch-off delay: 0.1 ... 3000.0 s	
Set value	Po controller, Proportional gain: 0.1 ... 100.0	8.6.1
Set value	Po controller, Integr. time const.: 0.0 ... 100.0 s	
Set value	Pc controller, Proportional gain: 0.00 ... 100.00	8.6.2
Set value	Var.-speed Fan, cond., min. speed: 0.00 ... 100.00	
Set value	Pc limiter, Proportional gain: 0.00 ... 100.00	8.7
Set value	Po at actuating value = 0 %: -0.5 ... 7.0 bar	
Set value	AOUT1 - Function selection: INPUT 0...2	
Set value	AOUT3 - Function selection: INPUT 0...2	8.8.2
Set value	FrigoSoft - Function selection: INPUT 0...7	8.8.3
Measured value	Activating value of speed	9.2

* Factory settings for404A

----- Please refer to supplier or KIMO RHVAC

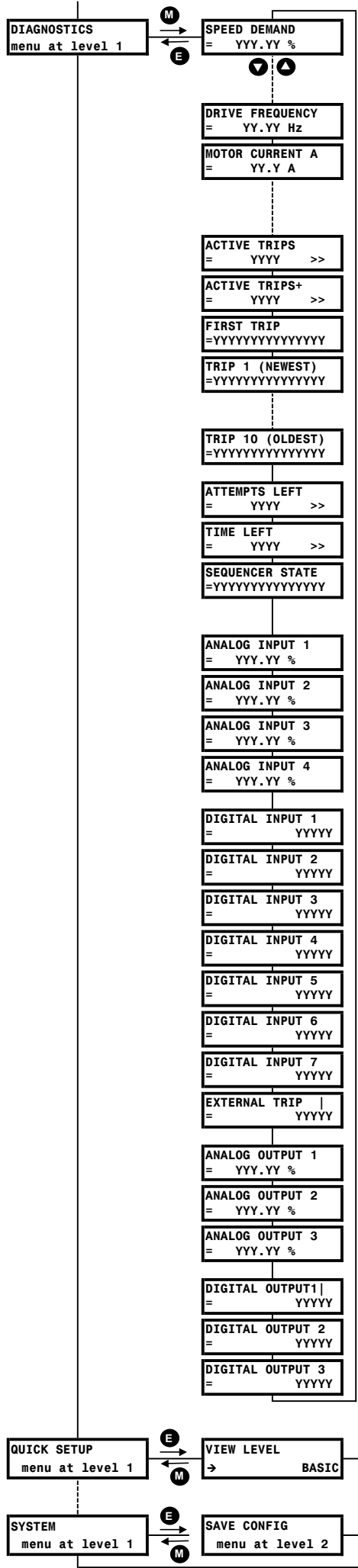
Measured value depending on operating point
Factory default value depending on frame size and rated power

Key for abbreviations

VsC: Variable-speed Compressor (Inverter operation)

FsC: Fixed-speed Compressor

VsF: Variable-speed fans (Condenser / Dry cooler)



Electrical values:

Trips:

State indications:

Analog inputs:

Digital inputs:

Analog outputs:

Digital outputs:

Measured value	VsC: Actuating value of Freq.: % of maximum frequency	
Measured value	Variable-speed Compressor: Motor Frequency	
Measured value	Variable-speed Compressor: Motor current	
Trip	Active trips: First set	10.2-4
Trip	Active trips: Second set	
Trip	Trip which caused shut down	
Trip	Trip 1 (newest) which caused shut down	
Trip	Trip 10 (oldest) which caused shut down	
Trip	Autorestart logic: Attempts left	10.2-4
Trip	Autorestart logic: Time to next start attempt	
Trip	Operating status: Sequencer control state	
AIN1 (X2:2) Analog input 1	Po, Suction-pressure transducer: 4 ... 20 mA; 0 ... 100 %	6.6, 7.7.4
AIN2 (X2:3) Analog input 2	Pc, High-pressure transducer: 4 ... 20 mA; 0 ... 100 %	
AIN3 (X2:4) Analog input 3	Th, Exhaust temperature: PT1000	6.6, 7.7.5
AIN4 (X2:5) Analog input 4	Ext. act. value / setpoint: 0 ... 10 V; 0.0 ... 100.0 %	6.6, 5.2.3/4
DIN1 (X2:12) Digital input 1	Enable (Start)	5.2.1-4
DIN2 (X2:13) Digital input 2	Force lubrication speed	5.3
DIN3 (X2:14) Digital input 3	Activate Setpoint / Limit Po2	5.2.2/4
DIN4 (X2:15) Digital input 4	NOT activate Setpoint / Limit Po1	5.2.2/4
DIN5 (X2:16) Digital input 5	Activate Setpoint Pc2	5.3
DIN6 (X2:17) Digital input 6	Activate VsC continuous operation	5.3
DIN7 (X2:18) Digital input 7	Activate emergency operation	5.3
DIN8 (X2:19) Digital input 8	Safety circuit "Ready" (No fault)	5.4
AOUT1 (X2:6) Analog output 1	VsF condenser / Warning / VsC speed	7.7.3
AOUT2 (X2:7) Analog output 2	Activate FsC1 (Fixed-speed Compressor 1)	6.5
AOUT3 (X2:8) Analog output 3	Activate FsC3 (Fixed-speed Compressor 3)	
DOU1 (X:21-22) Digital output 1	Ready (Health)	7.7.3
DOU2 (X2:23-24) Digital output 2	Operating	6.3
DOU3 (X2:25-26) Digital output 3	Activate FsC2 (Fixed-speed Compressor 2)	6.5
For special use	Only enter this menu after consulting KIMO	
For special use	Only enter this menu after consulting KIMO	

Power terminals

Terminal / Designation	Signal / Function	Explanation	Further information
X1:			
PE, PE	FP ...30FEP-EMC: Protective earth connections Protective earth connection	- Observe all safety and EMC requirements	7.7.1
PE	FP 37... FEP-EMC: (both to be earthed)		
L1	Three phases of voltage supply	- Ensure that supply voltage agrees with data on MotorMaster name plate	7.7.1
L2/N			
L3			
DC+			
(DBR)		- Do not use otherwise risk of damage to FrigoPack	
DC-			
M1/U	Compressor motor	- Variable-speed Compressor via safety contactor	7.7.1/
M2/V			7.7.2
M3/W			
PE	Protective earth connection to compressor motor		7.7.2
(DBR+)		- Do not use otherwise risk of damage to FrigoPack	
(DBR-)			
AUX1	Only with: FP 55...FEP-EMC	- Supply externally	6.7
AUX2	2AC 230 supply for equipment fan		6.8.4

Terminals for motor protection

Terminal / Designation	Signal / Function	Explanation	Further information
X2:			
MOT/ TEMP	Alternative a), Without processing:	- Thermistor protection is processed in safety circuit, these two terminals must be linked	6.2
	Alternative b), Direct processing of motor thermistors:	- Direct processing of motor thermistors:	
	Alternative c), Processing an external thermistor relay:	- Processing an external thermistor relay:	
	Alternative d), Processing an external thermistor relay:	- Connect the "Normally open" contacts of an auxiliary relay wired to an external thermistor relay (e.g. KRIWAN) between these two terminals.	

Terminals for control functions

Terminal / Designation	Signal / Function	Explanation	Further information
X3:			
1	0 V	Ground for analog signals	- Use green terminal
2A - 2B	AIN1	Analog Input from pressure transducer for Suction Pressure Po (LP): 0 mA: Fault 4 mA: -0.5 bar 20 mA: +7.0 bar	- Suction pressure Po (LP), must be used - Suitable pressure transducer: - A REF-P-TRANSD-LP7+PL - Connections: - 1 --> 2A; 2 --> 2B
3A - 3B	AIN2	Analog Input from pressure transducer for Discharge / Condensing Pressure Pc(HP): 0 mA: Fault 4 mA: 0.0 bar 20 mA: +25.0 bar	- Discharge / condens. pressure Pc (HP), optional use - Suitable pressure transducer: - A REF-P-TRANSD-HP25+PL - Connections: - 1 --> 3A; 2 --> 3B
4A - 4B	AIN3	Analog Input from temperature transducer for Exhaust-Gas Temperature (PT1000)	- Exhaust-gas Temperature - Optional use - Bridge when not used
5 - 5G	AIN4	Analog input for External Setpoint / Actuating value: 0 V: 0.0 % +10 V: 100.0 %	- External setpoint / actuating value required for operation with external controller - Use screened cable

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Control terminals (continued)

Terminal / Designation	Signal / Function	Explanation	Further information	
6 - 6G	AOUT1	Analog Output (5 mA max. load): 0 V: 0.00 % Actuating value +10 V: 100.00 % Actuating value Digital Output with ext. special relay: Open: Not activated Closed: Activated	- Analog Output depending on setting 30:AOUT1 - VsF Condenser fan: Actuating Value / - VsC: Measured speed / - Warning - Only use special relay A RELAY-DC12V (available as accessory)	7.7.3
7A - 7B	AOUT2	Analog Output usually used with internal relay to activate FsC1: Open: Not activated Closed: Activated	- Relay to Activate Fixed-speed Compressor FsC1 - Max contact load: AC 230 V, 250 VA	7.7.3
8A - 8B	AOUT3	Analog Output usually used with internal relay to activate FsC3: Open: Not activated Closed: Activated	- Relay depending on setting 31:AOUT3 FUNCTN: - Activate Fixed-speed Compressor FsC3 / - Warning / - VsC Capacity Control - Max contact load: AC 230; 250 VA	7.7.3
9	+10 V REF	Internal +10 V reference	- Not available	
10	-10 V REF	Internal -10 V reference	- Not available	
11	0 V	Ground for digital inputs	- Not available	
12P - 12	DIN1	Digital input for Enable (Start): 0 V: Stop +24 V: Enable	- Enable / Start	5.2.1-4, 7.7.3
13P - 13	DIN2	Digital Input to force to Lubrication Speed: 0 V: Normal +24 V: Lubrication speed	- Force lubrication speed - Optional use - Requires external timer	5.3, 7.7.3
14P - 14	DIN3	Digital Input to activate Setpoint / Limit Po2: 0 V: No action +24 V: Activate Setpoint / Limit Value Po2	- Setpoint / Limit selection Po - Optional use - Connect to DIN4 for normal selection	5.2.2/4, 7.7.3
15P - 15	DIN4	Digital Input to activate Setpoint / Limit Po1 (inverted): 0 V: Activate Setpoint / Limit Value Po1 +24 V: No action	- Setpoint / Limit selection (inverted) Po - Optional use - Connect to DIN3 for normal selection	5.2.2/4, 7.7.3
16P - 16	DIN5	Digital Input to activate Setpoint Pc2: 0 V: No action +24 V: Activate Setpoint / Limit Value Pc2	- Pc Setpoint selection - Optional use	5.3, 7.7.3
17P - 17	DIN6	Digital Input to activate VsC continuous operation: 0 V: Normal +24 V: Activate Continuous Operation	- VsC continuous operation - Optional use - Prevents VsC from stopping provided that suction pressure is not less than 0.2 bar	5.3, 7.7.3
18P - 18	DIN7	Digital Input to enable Emergency Control: 0 V: No Emergency Control +24 V: Activate Emergency Control	- Emergency operation (Operation with a defect inverter or compressor) - Optional use	5.3, 7.7.3
19P - 19	DIN8	Digital Input to monitor Safety Circuit of the VsC compressor: 0 V: External fault +24 V: Normal (no fault)	- Safety circuit without fault - Must be used - Interrupt if there is a fault (Required to stop inverter operation)	5.4, 7.7.3
20	+24 V	Supply for contacts for digital inputs and pressure transducers	- Not available	
21 - 22	DOUT1	Relay "Ready" (without fault): Open: No supply, fault or alarm Closed: Ready (no fault)	- Ready to operate - Max contact load: AC 230 V, 250 VA	5.4, 7.7.3
23 - 24	DOUT2	Relay "Operating": Open: VsC: Inhibited / Not operating Closed: VsC: Starting / Operating	- Relay "Operating" to control auxiliaries such as: Crankcase heater, Condenser fan, Start unloader - Relay depending on setting 31:OPERATING MODE:	5.4, 7.7.3
25 - 26	DOUT3	Relay to activate FsC2: Open: Not activated Closed: Activated	- Activate Fixed-speed Compressor FsC2 - Max contact load: AC 230 V, 250 VA	7.7.3

VsC: Variable-speed Compressor (Inverter operation)

VsF: Variable-speed fans (Condenser / Dry cooler)

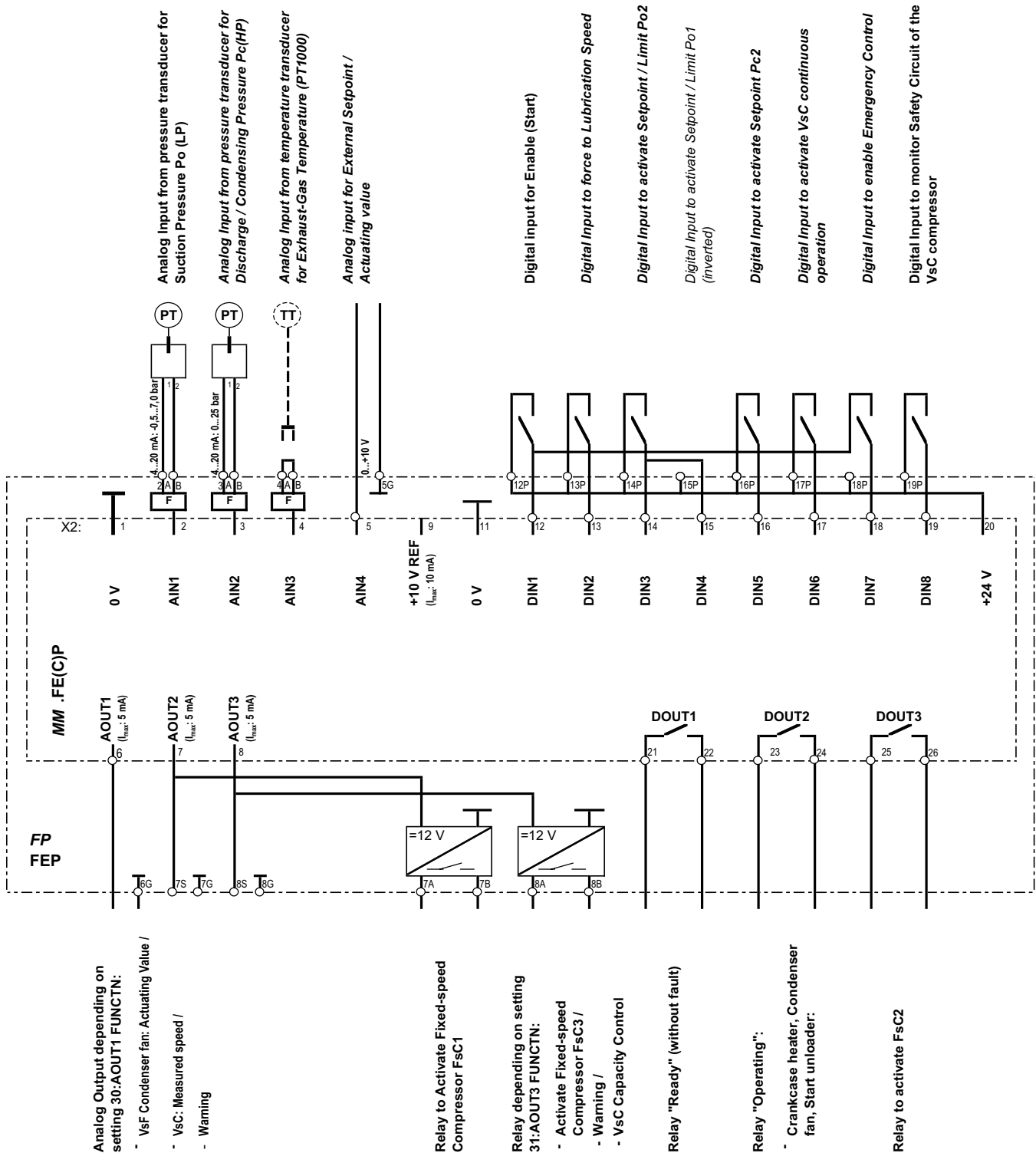
FsC: Fixed-speed Compressor

Contact



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E-Mail: info@frigokimo.com Internet: www.frigokimo.com

((Space for company reference of KIMO agent))



VsC: Variable-speed Compressor (Inverter operation)

FsC: Fixed-speed Compressor

**FrigoPack FEP-12/
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General wiring diagram

Special settings

30:AOUT1 FUNCTN

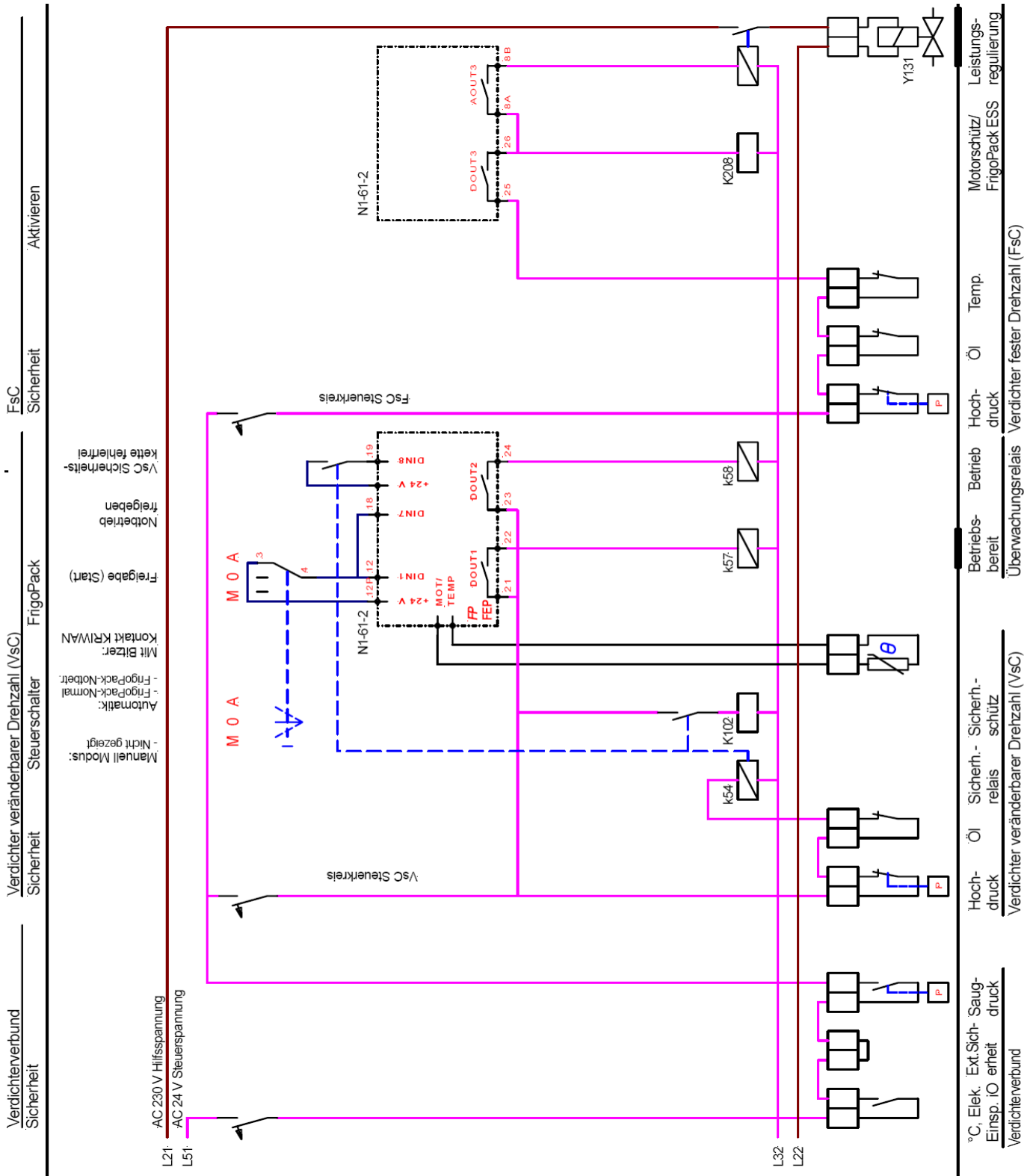
Setting	AOUT1:
- INPUT 0	VsF: Actuating Value
- INPUT 1	VsC: Measured speed
- INPUT 2	Warning

31:AOUT3 FUNCTN

Setting	AOUT3:
- INPUT 0	Activate FSc3
- INPUT 1	Warning
- INPUT 2	VsC Capacity Control

32:CONTRL FUNCTN

Setting	Function
- INPUT 0	Suction pressure setpoints 1/2
- INPUT 1	Ext. Actuating Value of suction pressure
- INPUT 2	+4.0 bar (For test purposes)
- INPUT 3	+4.0 bar (For test purposes)
- INPUT 4	+3.0 bar (For test purposes)
- INPUT 5	+2.0 bar (For test purposes)
- INPUT 6	+1.0 bar (For test purposes)
- INPUT 7	+0.0 bar (For test purposes)



Safety and control circuits

(Example with two compressors. Refer to Product Manual for other configurations)

**FrigoPack FEP-12/
FrigoSoft 2.4**

CONFIGURATION OVERVIEW / PROBLEM REPORT
(Put cross in box where appropriate)

REFRIG

Application	Refrigeration <input type="checkbox"/>	No. of cooling outlets _____	Air Conditioning <input type="checkbox"/>	Condenser <input type="checkbox"/>	Other _____
Refrigerant	R404A..... <input type="checkbox"/>	R407C..... <input type="checkbox"/>	R134a..... <input type="checkbox"/>	Total refig. Power _____ [kW]	Other _____
	R507A..... <input type="checkbox"/>	R22..... <input type="checkbox"/>	R.....		
Compressor 1	Piston <input type="checkbox"/>	No. of cylinders _____	Scroll <input type="checkbox"/>	Screw <input type="checkbox"/>	Other _____
	Start unloader <input type="checkbox"/>	Part Winding <input type="checkbox"/>	Variable speed <input type="checkbox"/>	OR Fixed speed <input type="checkbox"/>	No. of compressors _____
	Capacity control _____ [%]	_____ [%]	_____ [%]	_____ [%]	
	Manufacturer _____		Model _____		Anything special _____
Compressor 2	Piston <input type="checkbox"/>	No. of cylinders _____	Scroll <input type="checkbox"/>	Screw <input type="checkbox"/>	Other _____
	Start unloader <input type="checkbox"/>	Part Winding <input type="checkbox"/>	Variable speed <input type="checkbox"/>	OR Fixed speed <input type="checkbox"/>	No. of compressors _____
	Capacity control _____ [%]	_____ [%]	_____ [%]	_____ [%]	
	Manufacturer _____		Model _____		Anything special _____
Operating point	Suction pressure _____	High (discharge) pressure _____	Pascal/ <input type="checkbox"/>	Suction gas temperature _____ [°C]	Discharge gas temperature _____ [°C]
			bar/ <input type="checkbox"/>		Motor current _____ [A]
			lb/in ² <input type="checkbox"/>		
Start up	Suction pressure _____	High (discharge) pressure _____	gauge/ <input type="checkbox"/>	Anything special _____	Motor current _____ [A]
			absolute <input type="checkbox"/>		
FrigoPack Speed variator	FrigoPack/MotorMaster Type <u>FP/MM</u> Serial number _____		Pressure sensors Suction pressure _____ Discharge pressure _____		FrigoSoft refrigeration/ A/C software FS 2.4.2-2x Version _____ Mode _____
FrigoPack Soft Starter	FrigoPack/SoftCompact, LEKTROMIK/SoftPower Type <u>FP/SC/LEK</u> Serial number _____		Switching times of compressor pack Variable-speed compressor (VsC) t_{ON} _____ [s] Fixed speed compressor(s) (FsCs) t_{ON} _____ [s] t_{PERIOD} _____ [s] t_{PERIOD} _____ [s]		
Report					List of adjustable parameters in OPERATOR menu FrigoPack FEP-12 / FrigoSoft 2.4 08:Po SETP /LIMT1 3.2 bar _____ [bar] 09:Po SETP /LIMT2 3.6 bar _____ [bar] 10:Pc SETPOINT 1 17.0 bar _____ [bar] 11:Pc SETP /LIMT2 20.0 bar _____ [bar] 12:VsC FREQ MAX 60.0 Hz _____ [Hz] 13:VsC FREQ MIN 25.0 Hz _____ [Hz] 14:VsC FREQ BASE 55.0 Hz _____ [Hz] 15:VsC BOOST F.00 % _____ [%] 16:VsC SKP FRQ 1 0.0 Hz _____ [Hz] 17:VsC SKP BND 1 0.0 Hz _____ [Hz] 18:VsC tinh DLY FFF.0 s _____ [s] 19:VsC toff DLY 10.0 s _____ [s] 20:VsC toil TIME 4.0 s _____ [s] 21:VsC thld TIME 10.0 s _____ [s] 22:Fsc ton DLY FFF.0 s _____ [s] 23:Fsc toff DLY FF.F s _____ [s] 24:Po CNTR P-GN F.00 _____ 25:Po CNTR I-TC FF.0 s _____ [s] 26:Pc CNTR P-GN 8.00 _____ 27:VsF CD MIN SD 15.00 _____ [%] 28:Pc LIMT P-GN 25.00 _____ 29:Po ACT VAL=0% 7.0 bar _____ [bar] 30:AOUT1 FUNCTN INPUT 0 _____ 31:AOUT3 FUNCTN INPUT 0 _____ 32:CONTRL FUNCTN INPUT 0 _____
TRIP HISTORY	TRIP	1 _____	2 _____	3 _____	4 _____
	(NEWEST)	6 _____	7 _____	8 _____	9 _____
					10 _____ (OLDEST)
Manufacturer	Agent / Partner		Customer		Installation
KIMO Refrigeration HVAC Ltd Huettendorfer Weg 60, D-90768 Fürth Germany Tel.: +49 911-8018778 Fax: +49 911-9976118 E-Mail: applications@frigokimo.com Internet: www.frigokimo.com					
					Name: _____ Date: _____

FrigoPack FEP-12/
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CHECKLIST AND ADDITIONAL DATA FOR PROBLEM REPORT

KIMO Problem Code	Part of installation	Checklist of questions for PROBLEM REPORT	Explanation	Terminals	Answer/ Confirmation
ES	Electrical: - Supply	<ul style="list-style-type: none"> Are there any known power supply interruptions ? Do these power supply interruptions occur at the same time each day ? By what amount does the supply voltage vary ? 	<ul style="list-style-type: none"> Indicate approx. times Indicate min. and max. voltages 		Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> When: _____ _____ Min.: _____ [V] Max.: _____ [V]
EI	- Installation	<ul style="list-style-type: none"> Motor cable: Approx. Length ? Motor cable: Type of screen ? Motor cable: Screen connected to mounting plate? Motor cable: Screen connected to metal motor housing ? Is a galvanised mounting plate used in the electrical enclosure ? Is a motor filter used between the MotorMaster and the compressor motor ? 	<ul style="list-style-type: none"> Copper braid ?, Steel braid ?, Steel conduit ?, none ? Recommendations: - Contact with large surface area Make sure no "pig tails" If yes, indicate KIMO product code 		Cu brd. <input type="checkbox"/> Fe brd. <input type="checkbox"/> Fe cond. <input type="checkbox"/> None <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Pr. Cde: _____
MT	Compressor motor	<ul style="list-style-type: none"> Have motor currents been entered into the PROBLEM REPORT ? 	<ul style="list-style-type: none"> Operating point Start up 		Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
MM MM	FrigoPack : - Control and sensor inputs	<ul style="list-style-type: none"> Protective Earth of FrigoPack connected to mounting plate (two separate short connections) ? Is the DC P24 control voltage present ? Connection of PTC motor protection ? Safety circuit OK ? Enable signal present ? External setpoint or actuating signal present ? * Signal from suction-pressure transducer present ? Signal from high-pressure transducer present ? * Signal from exhaust temperature transducer present (link if not used) ? * * If used 	<ul style="list-style-type: none"> Terminal: 2x PE Terminal: 15P - GN Without processing Direct processing of motor thermistors Processing an external thermistor relay Terminal: MOT/TEMP Terminals for measuring: 19 - GN Terminals for measuring: 12 - GN Terminals for measuring: 5 - GN Terminals for measuring: 2B - GN Terminals for measuring: 3B - GN Terminals for measuring: 4B - GN Link terminals: 4A - 4B Terminal for measuring: .. Measured against green terminal: .. 		Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Linked <input type="checkbox"/> Direkt <input type="checkbox"/> Relay <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> _____ [V] _____ [V] _____ [V] Yes <input type="checkbox"/> No <input type="checkbox"/>
MM	PS	- Power section	<ul style="list-style-type: none"> Reserved for future use 		
MM	CA	- Control assembly	<ul style="list-style-type: none"> Reserved for future use 		
MM	CS	- Control settings, parameter	<ul style="list-style-type: none"> Operating Mode LOCAL (Programming Pad: LEDs SEQ + REF light) ? Refrigeration / cooling parameters set ? 	<ul style="list-style-type: none"> Not suitable for normal operation, only use for commissioning: The following parameters must be set: 08:, 09:, 10:, 11: 	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
RI	AP	Refrigeration: - Application	<ul style="list-style-type: none"> Required Refrigeration Power entered into PROBLEM REPORT ? Number of cooling outputs entered into the PROBLEM REPORT ? Operating pressure and temperatures entered into PROBLEM REPORT ? On/Off times of compressor pack entered into PROBLEM REPORT ? 	<ul style="list-style-type: none"> Operating point At start up Enter variable and fixed speed compressor times separately 	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
RI	IN	- Installation	<ul style="list-style-type: none"> Reserved for future use 	- tbd	
RI	PS	- Pressure transducers	<ul style="list-style-type: none"> Approx. cable length Type of screen Screen NOT connected at sensor end ? Screen connected to mounting plate of electrical enclosure ? Are measured pressures stable ? 	<ul style="list-style-type: none"> Copper braid ?, Steel braid ?, Steel conduit ?, none ? Large area contact, no pig tails Indicate range of variation within 30 s 	_____ [m] Cu brd. <input type="checkbox"/> Fe brd. <input type="checkbox"/> Fe cond. <input type="checkbox"/> None <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Po/LP _____ Pc/HP _____ [bar]
RI	RC	- Refrigeration compressor	<ul style="list-style-type: none"> Oil present ? Basic data entered into PROBLEM REPORT ? 		Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>