

Typical alarm list printout

Dixell-XC911M Alarm List		
Code	From	To
A14F	15:02 29/06	15:04 29/06
A14F	15:01 29/06	15:02 29/06
A04C	12:13 29/06	12:14 29/06
A01F	11:54 29/06	11:59 29/06

Index:

ErOL Low pressure-switch alarm

ErOH High pressure-switch alarm

A01C Suction probe alarm

A01F Condensing probe alarm

A02C Compr. digit. input alarm

A02F Fan digital input alarm

A03C Suction low pressure alarm

A04C Suction high press. alarm

A03F Condensing low press. alr

A04F Condensing high press. alr

A05 Liquid level alarm

A11F Clock faulty

A11L Data clock lost

A12 Output number not valid

A13L EEPROM data not valid

A13F EEPROM broken (service)

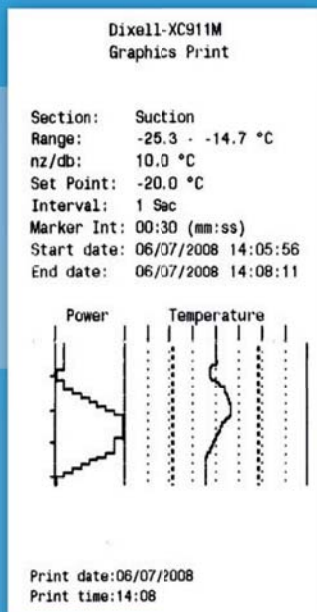
A14C Compr maintenance call

A14F Fan maintenance call

Print date:02/07/2008

Print time:09:20

Printout concerning the behaviour of loads and temperature/pressure



Parameter printout

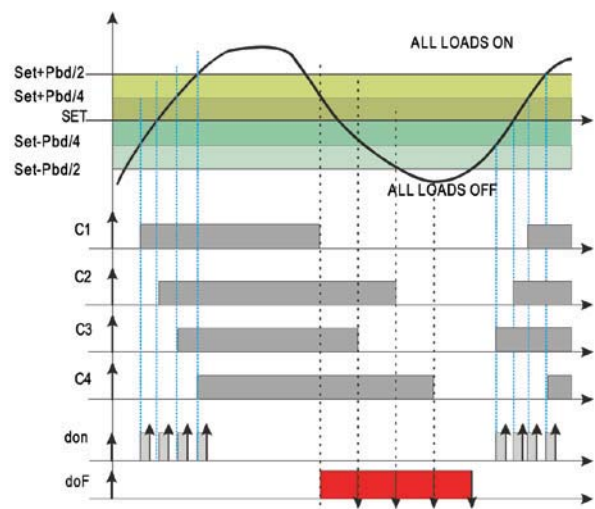
Type:Compressor (Cnf)				
Label	Value	M.U.	Range	
CPnU	5	Num	1/5	
CtyP	1	Num	0/1	
CPSt	1	Num	1/1	
rty	bP	Flag	db/ bP	
Sty	F	Flag	rt/ F	
FtyP	r404	Num	r22/ 134	
PbC	ntC	Num	Cur/ntC	
CAL	0.02	Num	-1.00/1.00	
SEP	1	Flag	0/1	
rSIP	1	Flag	0/1	
LLI	1	Flag	0/1	
ALIP	1	Flag	0/1	
StPP	1	Flag	0/1	
PSc	0	Num	0/255	
Type:Fan (Cnf)				
Label	Value	M.U.	Range	
nFn	6	Num	0/6	
PbC	ntC	Num	Cur/ntC	
CAL	0.05	Num	-1.00/1.00	
SEP	1	Flag	0/1	
PSc	0	Num	0/255	
Type:Fan (Opr)				
Label	Value	M.U.	Range	
SetN	10.68	Bar	7.07/28.87	
SetR	14.02	Bar	7.07/28.87	
dEU	bAr	Flag	bAr/ °C	
Pbd	2.00	Bar	0.10/5.00	
don	4	Sec	0/255	
doF	9	Sec	0/255	
rot	no	Flag	no/YES	
LSE	7.07	Bar	2.52/28.86	
HSE	28.87	Bar	7.06/28.87	
LAL	6.09	Bar	0.00/5.68	
HAL	8.99	Bar	0.00/24.32	
tAo	0	Min	0/255	
PEn	9	Num	0/15	
PEI	10	Min	1/15	
FPP	0	Flag	0/1	
FPr	3	Num	0/6	
rELP	AbS	Num	AbS/rEL	
PSo	0	Num	0/255	



XC09PR: an infrared thermal printer suitable for XC900M compressor racks controllers. Can print alarms, parameters and data recorded by the instrument

PROPORTIONAL BAND ADJUSTMENT

A pressure value is set (set point) and an adjustment band (Pbd) is positioned over the set point. The adjustment band is then divided into equal parts, one for each stage being controlled. As the pressure increases and passes the various stages, the controller activates each load. As the pressure decreases, the loads are turned off. In this way, above the adjustment band all the compressors will be running, while below the band they will all be off. The switching on and off of the loads is carried out in such a way as to balance the run hours. The graph shows, in a simplified way, the adjustment algorithm with 4 equal loads.



NEUTRAL ZONE ADJUSTMENT

A pressure value (Set-point) and a band that is symmetric compared with the Set value (Pbd) can be programmed. Within this band a state of system equilibrium can exist, where the instrument will maintain the status of the outputs. If the pressure moves outside this band the switching on and off of available outputs begins, subject to delays set in parameters "don" (delay between two consecutive starts) and "doF" (delay between two consecutive stops), always respecting the protection times of each compressor. The graph illustrates, in a simplified way, neutral zone regulation with equal loads.

