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eliwell

EW-090.20E

EWCM 4180 COMPRESSOR RACK CONTROLLERS



MODEL	VOLTAGE
EWCM 4180	12V
ACCESSORIES	
TRANSFORMER 230/12 V 5.6 VA	
CONNECTING CABLE DIGITAL OUTPUTS 9V	
16V INPUT CABLE CONNECTION	
ANALOG OUTPUT CABLE CONNECTION	

- »Control inverter compressor.
- »Control of condensation with frequency.
- "Balanced the operating hours of compressors and / or fans.
- "Control of temperature / pressure suction 4escalones up to power, compressors or without with capacity regulation and even possibility of using a compressor with variable frequency.
- "Pressure control of condemnation by a frequency or up to four output levels
- »Ability to view the pressure / suction temperature or condensation in Bar / PSI or ° C / ° F as probe regulation (Pressure / Temperature).
- "Possibility of configuring the default display in suction pressure, discharge pressure, set regulatory Time ...
- "Starting in fixed sequence compressor / saturation / balance.
- "Selection and deselection of compressors from the keyboard. Compressors online or offline.
- »History of alarms to a maximum of 100 events. Each event logs: the alarm type, date and time initiation of alarm, date and time of order, type of alarm.
- »Protocol ModBus and Televis
- "Two levels of access to password-protected programming.

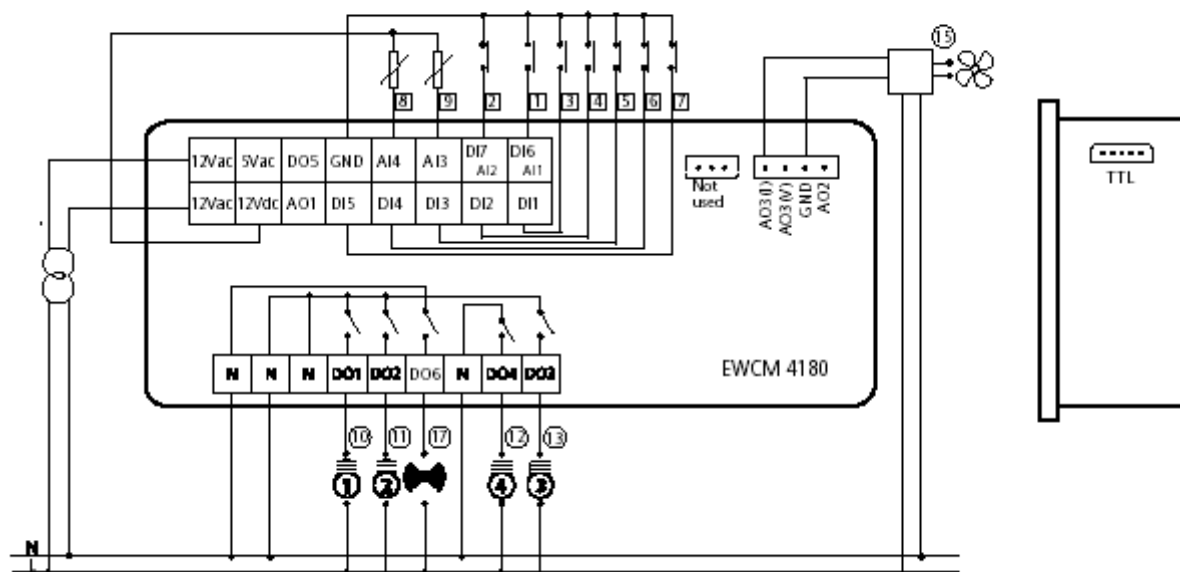
TECHNICAL DATA

- »Voltage 12Vac
- »Dimensions: 76.4 x 35 x 67mm
- »Standard mounting hole 29x71mm.
- VDegree of protection IP65
- "Analog inputs configurable as two NTC temperature probe, Input current 4 ... 20mA entry into voltage 0 ... 5V, 0 ... 10V or a free digital input power
- »7 digital inputs free of tension
- »5 digital outputs 2A
- »A low-voltage digital output (open collector) for external relay
- »2 Analog outputs PWM / Open collector
- »Internal clock with calendar year
- »TTL connector for connection-card Copy or for connection Televis System / ModBus RTU by BusAdapter

INSTRUMENT INPUT	
1	Input high pressure alarm
2	Input low pressure alarm
3	Compressor 1 thermal input
4	Compressor 2 thermal input
5	Compressor 3 thermal input
6	Entry thermal compressor 4
7	Entry block machine
8	Condensing pressure probe
9	Suction pressure probe

INSTRUMENT OUTPUT	
10	ON / OFF compressor / power step 1
11	ON / OFF compressor / power stage 2
12	ON / OFF compressor / power step 4
13	ON / OFF Compressor / Power Step 3
17	Alarm ON / OFF (EWCM 4180)

WIRING DIAGRAM



[12 Vac]	Power supply 12Vac
[5 Vcc]	Power trasducer 5 Vcc
[12 Vdc]	Auxiliary power output available for A01 and D05 12Vdc
[D01]...[D06]	Output relay 230 Vac
[N]	Neuter
[TC]	Output Triac 2A 230Vac
[A01]/[A02]	Output PWM open collector for external fan module
[A03]	Analog output 0/10V 4-20mA, 0-20mA for external fan module
[D05]	Output opencollector use 12 V
[D11]...[D15]	Digital Inputs voltage free(isolate from electrical supply to ground closure 0,5 mA)
[A11 (D16)]	Digital Input voltage free
[A12 (D17)]	
[GND]	Ground
[TTL]	Serial output for Copy card, Param Manager or Televis
KEY	unutilized