PACK CONTROLLER
SERIAL DATA BUS

230 V 1 ph
50 Hz 1 A

TYPE 'IF1' COMPRESSOR INTERFACE

PCB-00027

4 3 2 1

CON 1

SW1

SW2

SW 3

E L N

CON 2

CON 4

RL1 RL2 RL3 RL4 RL5 RL6 RL7

CON 3

COM 8 7 6 5 4 3 2 1

LN7 LD7 LN6 LD6 LN5 LD5 LN4 LD4 LN3 LD3 LN2 LD2 LN1 LD1 N

COMPRESSOR RUNNING
READY TO RUN
OVERLOAD
OIL LEVEL
PRESSURE
THERMISTOR
PHASE
OIL FLOW

NOT USED
NOT USED
RUN COMPRESSOR
INHIBIT OIL LEVEL
INHIBIT OIL FLOW
100% LOAD/HIGH SPEED
50% UNLOAD/LOW SPEED
NEUTRAL

NEUTRAL   LINE

NOTES

1. INPUT STATES ARE AS FOLLOWS:-
   CLOSED CONTACT = RUNNING, READY
                    or FAULT
   OPEN CONTACT = NOT RUNNING,
                    NOT READY or NO FAULT

2. CON3 TERMINAL 9 MUST HAVE
   NEUTRAL CONNECTED TO IT.

3. TO ENSURE THAT INTERNALLY FITTED
   SUPPRESSORS WORK CORRECTLY, CONNECT
   LINE VOLTAGES TO TERMINALS PREFIXED
   'LN' AND THE CORRESPONDING LOADS TO
   TERMINALS PREFIXED 'LD'.

4. SWITCH SETTINGS
   THE POSITION OF THE DIP SWITCHES
   'SW2' MUST BE SET AS SHOWN
   (IE: DOT SHOWING CLOSED CONTACT ON
   SECOND FROM LEFT) FOR THE CARD TO
   OPERATE CORRECTLY.

   SWITCHES 'SW3' CONTROL THE OUTPUT
   RELAYS IF PACK SERIAL DATA BUS
   COMMUNICATIONS FAIL. (CLOSED 'DOT
   SHOWING' = RELAY ENERGISED).

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TITLE: COMPRESSOR INTERFACE WIRING
(FOR CPSC & CPSA CONTROLLERS)

TYPE: IF-1

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