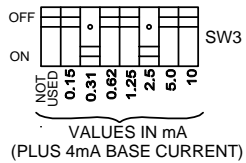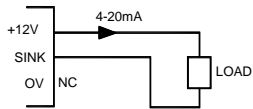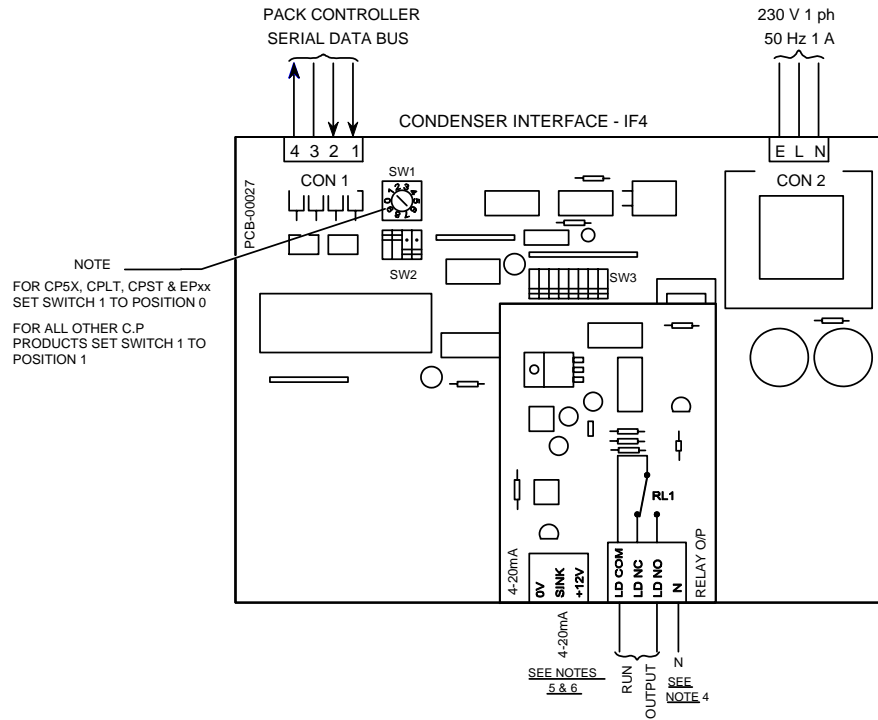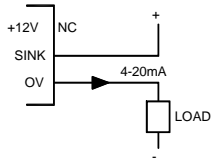NOTES:

1. SWITCH SETTINGS
   THE POSITION OF THE DIP SWITCHES
   `SW2' MUST BE SET AS SHOWN FOR
   THE CARD TO OPERATE CORRECTLY.

2. SWITCHES 'SW3' CONTROL THE 4-20mA
   OUTPUT IF PACK SERIAL DATA BUS
   COMMUNICATIONS FAIL.
   EACH SWITCH WHEN IN THE ON POSITION
   ADDS THE VALUE SHOWN BELOW TO THE
   OUTPUT. EXAMPLE BELOW GIVES:-
   4 + 0.31 + 2.5 = 6.81mA OUTPUT.

OFF / ON — SW3

NOT USED | 0.15 | 0.31 | 0.62 | 1.25 | 2.5 | 5.0 | 10

VALUES IN mA
(PLUS 4mA BASE CURRENT)

3. FULL SCALE (20mA) OUTPUT IS ACHIEVED
   WHEN SWITCH INPUT IS SET AT BINARY
   EQUIVALENT OF 99.

4. WHEN SWITCHING INDUCTIVE LOAD NEUTRAL
   CONNECTION IS REQUIRED FOR SUPPRESSORS
   TO WORK.

5. WHEN CURRENT SOURCE OUTPUT IS SUPPLIED
   BY JTL CARD CONNECT LOAD BETWEEN
   +12V (CURRENT OUT) AND SINK (CURRENT IN).

+12V
SINK
OV   NC
4-20mA
LOAD

6. WHEN CURRENT SOURCE OUTPUT IS SUPPLIED BY
   EXTERNAL PSU, CONNECT EXTERNAL PSU + TO SINK
   AND LOAD BETWEEN OV AND EXTERNAL SUPPLY -.

+12V   NC   +
SINK
OV   4-20mA
LOAD
-

PACK CONTROLLER
SERIAL DATA BUS

230 V 1 ph
50 Hz 1 A

CONDENSER INTERFACE - IF4

4 3 2 1

E L N

PCB-00027

CON 1

SW1

CON 2

NOTE

FOR CP5X, CPLT, CPST & EPxx
SET SWITCH 1 TO POSITION 0

FOR ALL OTHER C.P
PRODUCTS SET SWITCH 1 TO
POSITION 1

SW2

SW3

RL1

4-20mA
OV SINK +12V
LD COM LD NC LD NO N
RELAY O/P

SEE NOTES 5 & 6
4-20mA

RUN OUTPUT

N
SEE NOTE 4

ISS	DESCRIPTION	APP'D	DATE
3	ADDED NOTE FOR SW1	MJK	10/00
2	ADDED NOTES 3, 4, 5 & 6	MJK	9/96
4	ADDED NEW PRODUCT EPxx	MJK	4/02

TITLE:
4-20mA INTERFACE WIRING
(FOR CPxx & EPxx CONTROLLERS)

TYPE: IF-4

PROJ.	DRG No:	SHT	OF	ISS.
CP/EP	00422	1	1	4