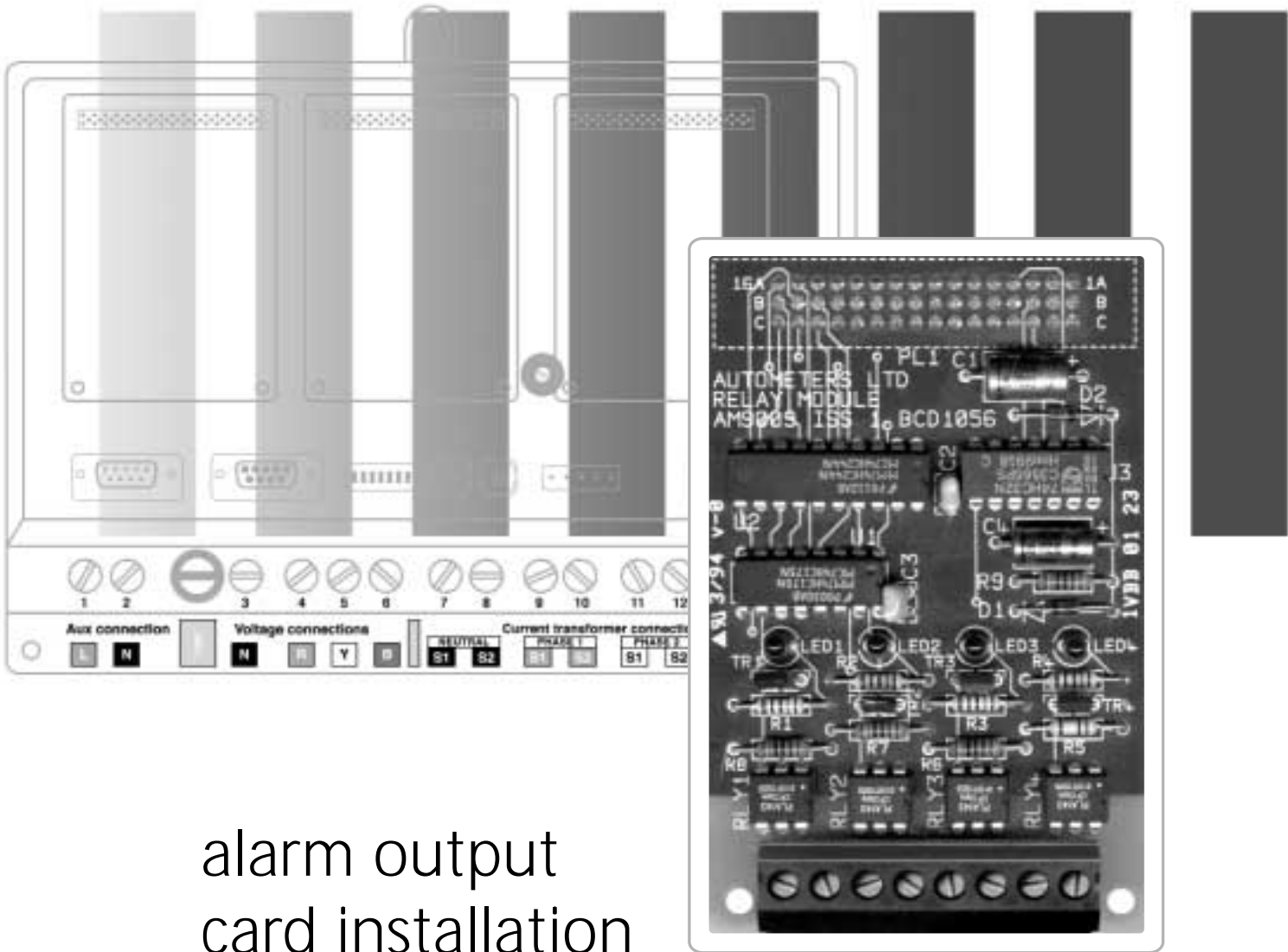


AUTOMETERS



alarm output
card installation

alarm output card installation

resetting of alarm data

1. Turn power off prior to installation of card.
2. Remove the screen interconnecting lead from the display socket on the base unit.

3. If fitted, remove the RS485 connecting block. See Figure 1

4. Remove the base unit clear cover by removing the retaining screw as shown.

5. Remove the cover by lifting from the bottom and sliding the cover upwards.

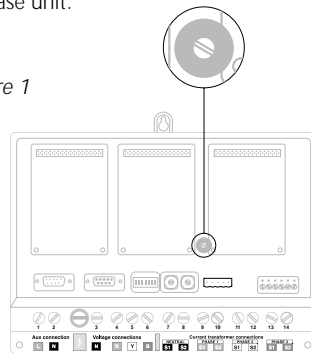
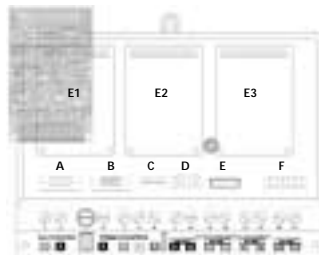


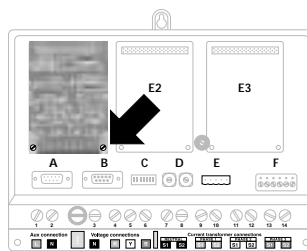
Figure 1

6. Carefully remove the card from its protective cover or bag and handle by gripping the outer edges only. Do not touch any of the electrical connections on the face or rear of the circuit board.

7. Begin by inserting an alarm card into slot E1 ensuring a level contact with the pins. (If applicable insert a second card into slot E2 and a third card into Slot E3.)



8. Insert the two retaining screws provided to retain the card into the holes shown (avoid over tightening).



9. Replace the base unit clear cover and re apply the retaining screw (avoid over tightening).

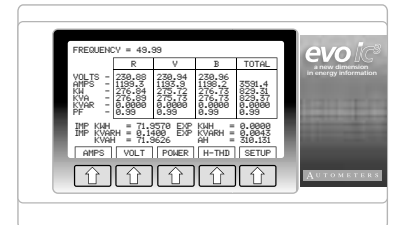
10. Push 8-way terminal connector (supplied with card) through clear cover and into socket on card. Replace the display lead into the display socket.

11. If previously fitted replace the RS485 connecting block.

12. Re-apply the power to the meter.

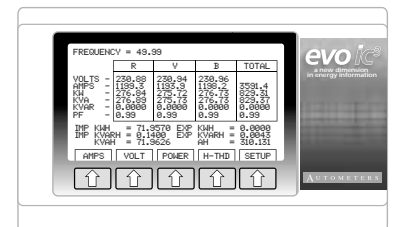
When the meter has been installed and power has been applied to the meter the display will run through a set up routine and default to the main screen. You can now start to programme the meter.

step 1



Ensure the screen is showing main as shown in diagram

step 2



Press **SET UP** (bottom right of screen)

step 3

Press **MORE**

step 4

Press **RESET**

step 5

Press **ALARMS**
The display will show "Alarm reset Passed"

step 6

Press **MAIN**
To return to the Main menu

on screen programming of the alarm outputs

- Step 1** Press SETUP.
- Step 2** Press Alarms (bottom left of screen).
- Step 3** Press alarm source (Volts, Amps, Power or MD).

Volts	The screen displays phase to neutral voltage alarms. Press ph-ph for phase to phase voltage alarms. Proceed to step 4.
Amps	Proceed to step 4.
Power	The screen displays real power alarms (KW). Press KVA for apparent power alarms (KVA) or press KVAR for reactive power alarms (KVAR). Proceed to step 4.
MD	Proceed to step 4.

- Step 4** Press EDIT
- Step 5** Key in the password by pressing the numbers from the keypad located behind the door on the right and press ENTER (password is the serial number on the front of the base unit).
See example below



please read screen carefully

You are about to enter a multiple field editing screen. To help you move around this screen there are a set of editing keys which have the following operation.

- EXIT** Leaves the editing mode
- LAST** Move cursor to previous field (does not erase present field)
- NEXT** Move cursor to next field (does not erase present field)
- BACK** Move cursor back one space
- ENTER** Terminate field and erase all other characters in field

If you edit a field always use ENTER key.
Press any key to continue.

- Step 6** The cursor will default to the first alarm setting. Proceed as step 7 or keep pressing the NEXT Key to move to the required alarm setting.
- Step 7** Key in the value required by pressing the numbers from the keypad located behind the door on the right and press ENTER. The cursor will move to the Relay number.
- Step 8** Key in the relay number required. Press ENTER. The cursor will move Delay time.
- Step 9** Key in the delay time required and press ENTER. The cursor will move to the next alarm setting.
- Step 10** Repeat steps 7-9 or keep pressing NEXT to go to the required alarm setting and repeat steps 7-9. If the alarm settings are complete for the selected alarm source (Volts, Amps, Power or MD), Proceed to step 11.
- Step 11** Press EXIT to save data in memory and to view the setting you have entered.
- Step 12** Press BACK to view the Present User Alarm Table or to select the next alarm source (Volts, Amps, Power or MD).
- Step 13** If a new Alarm source is selected repeat steps 4-10. If all Alarm setting are now set proceed to step 14.
- Step 14** Press BACK to view the System Details.
- Step 15** Press MAIN to return to the Main menu.
- Step 16** Reset alarms. Repeat steps 1-6 on page 2.

evo ic³ alarm output wiring information

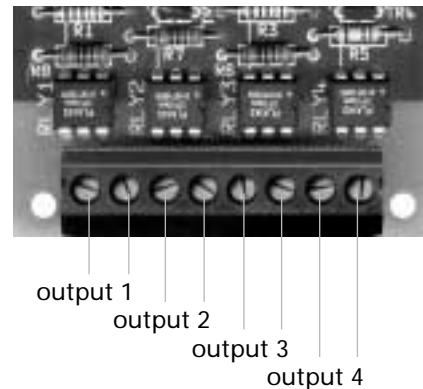
technical specifications

volt free relays

The type of relay used in the *evo ic³* is the solid state optically coupled with MOSFET technology incorporated. This device offers the superior reliability associated with semiconductor devices, ensures enhanced input to output isolation and faster bounce free contacts.

relay contacts

max switching voltage 600VDC or PEAK AC
max switching current 100mA
on resistance 50 Ohms



AUTOMETERS

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Try our **virtual meter** on the product website www.evo-ic3.co.uk

evo ic³ an evolution for metering a revolution for information