

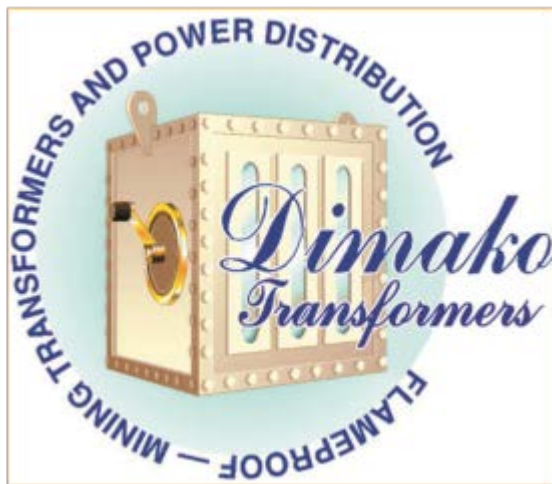


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microBAR Manual

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The DIMAKO **microBAR** relay is an

- over current relay with options for current/fsd=1a or voltage /fsd=5v/- input (fsd=full scale deflection) and
- two independent relay outputs. ALARM and TRIP, each one consisting of set NO/NC potential free contacts
- The front panel of the relay consists of **-Bar LED Display/** 50 colour coded discrete LED's and **Char LED** display 4 characters dot matrix LED display.

MENU SETTINGS

The relay can be set using the push button on the front panel named “**SET MODES**” or externally wired between terminals **4** and **5** on the connection block **J2** on the rear of the relay.

1. MENU'S

By pressing and holding the push button “**SET MODES**” down, the relay will go to a display mode. This will show in sequence **PASS/SET/END** while the push “**SET MODES**”, is held down.

Selection of the desired menu is activated by releasing the push button “**SET MODES**”, while the desired menu is displayed.

- PASS** - is the option allowing, **Change of existing customer password.**
- SET** - is the option allowing, **Change of ALARM and TRIP set points.**
- END** - is the option allowing the user to **EXIT menu's selection mode.**

CHANGE of existing customer password-Activate the **PASS** menu option using the “**SET MODES**”, push button.

- Once released the relay will roll the respective letters in sequence.
- To “Type in” the old password select the correct letter of the alphabet by holding the “**SET MODES**”, push button while the letter is being displayed.
- To select the next digit release the “**SET MODES**”, push button.
- Repeat the procedure until the correct password is displayed.
- If the password has been entered incorrectly “**BAD**” will be displayed in the window this will flash three times, then the relay will exit the **change password mode.**
- If the password is entered correctly the display will repeat the input procedure for the new password.
- Once the new password has been entered it will be displayed for three seconds only.

MEMORISE THESE LETTERS, this is your new password.

NB FORGOTTEN PASSWORDS CAN ONLY BE REACTIVATED BY THE MANUFACTURER

2. SETTING ALARM AND TRIP set points

To alter the **ALARM** and **TRIP** settings chose from the menu options **SET**. On release of the “**SET MODES**”, push button the relay will perform.

- a. Password check- If the password check is enabled. The correct password must be entered before the settings can be changed.
- b. Set mode- If the password check is **DISABLED**. The relay will display **SET** on the character display. When the “**SET MODES**”, push button is depressed the **ALARM** indicator will move up the scale until the push button is released. The Character display will then display **TRIP** the push button must then be depressed again causing the trip indication to move up the scale. On release of the push button the trip level will be set. The character display will change to **DELY** indicating the setting of a trip time delay. The value displayed is in milliseconds. When the push button is depressed the value will increase until release. The value to which the relay has been set will then be displayed.

3. EXIT menu's selection mode

Selecting this option will end the display of the options an return the relay to its control function.



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!!! PLEASE NOTEACTIVATING THE "SET" OPTION OF THE RELAY WHILE THE SYSTEM IS OPERATIONAL WILL ACT AS A RESET AND THE RELAY WILL TRIP.

TECHNICAL DATA

- Power supply 110Vac or 220Vac
- Power consumption 3Va
- Current input (0-1)A
- Voltage input (0-5)V
- Alarm output relay 1 set potential free contacts NO/NC
- Trip output relay 1 set potential free contacts NO/NC
- Dimensions (box) W90mm/H90mm/L90mm
- Overall dimensions W97mm/H97mm/L160mm
- Mounting cutout 90.5mm*90.5mm

CONNECTIONS

- J1-1** Power supply live
 - J1-2** N/C
 - J1-3** Power supply neutral
 - J1-4** Earth connection
 - J1-5** N/C
 - J1-6** Alarm relay NO contact
 - J1-7** N/C
 - J1-8** Alarm relay NC contact
 - J1-9** N/C
 - J1-10** Alarm relay common
 - J1-11** N/C
 - J1-12** Trip relay NO contact
 - J1-13** N/C
 - J1-14** Trip relay NC contact
 - J1-15** N/C
 - J1-16** Trip relay common
-
- J2-1** +24Vdc Power supply
 - J2-2** 0Vdc Power supply
 - J2-3** N/C
 - J2-4** PB `SET` (1)
 - J2-5** PB `SET` (2)
 - J2-6** Signal input DC (5Vdc)
 - J2-7** Signal input (1Aac)
 - J2-8** Signal input common