

Readings and Writing Registers from the Front Panel of a CM

Notes

The circuit monitor provides four setup modes: Configuration mode, Resets mode, Alarm/Relay mode, and Diagnostics mode. The Diagnostics mode lets you read and write circuit monitor registers, from the front panel. This capability is most useful to users who 1) need to set up an advanced feature which cannot be set up using the circuit monitor's normal front panel setup mode, and 2) do not have access to POWERLOGIC software to set up the feature.

Use this feature with caution. Writing an incorrect value, or writing to the wrong register could cause the circuit monitor to operate incorrectly.

Procedure

1. Press the MODE button until the red LED next to [Setup] is lit.
The circuit monitor displays "ConFig."
2. Press the down arrow SELECT METER [Value] button until "diAg" is displayed.
3. Press the PHASE [Enter] button to select the Diagnostics mode.
The circuit monitor displays the password prompt "P - - - -."
4. Enter the master password.
To enter the password, use the SELECT METER [Value] buttons to increase or decrease the displayed value until it reaches the password value. Then press the PHASE [Enter] button.

The circuit monitor display alternates between "rEg No" (an abbreviation for register number) and "1000" (the lowest available register number).

5. Use the SELECT METER [Value] buttons to increase or decrease the displayed register number until it reaches the desired number.
6. Press the PHASE [Enter] button.
The circuit monitor reads the register, then alternately displays the register number (in the format r.xxxx) and the register contents (as a decimal value). If you are viewing a metered value, such as voltage, the circuit monitor updates the displayed value as the register contents change. (Note that scale factors are not taken into account automatically when viewing register contents.)
7. To read another register, press the MODE button, then repeat steps 5 and 6 above.
8. To write to a register, continue with step 9 below.

Note: Some circuit monitor registers are read/write, some are read only. You can write to read/write registers only.

9. Use the SELECT METER [Value] buttons to increase or decrease the displayed register number until it reaches the register you'd like to write.
10. Press the PHASE [Enter] button.

The circuit monitor alternately displays the register number and the register contents (as a decimal value).

11. Use the SELECT METER [Value] buttons to increase or decrease the displayed decimal value until it reaches the value you'd like to write.
If you've accidentally selected a read only register, the circuit monitor will not allow you to change the value.

PowerLogic Knowledge Base Procedure

12. Press the MODE button.
The circuit monitor displays "No."
13. To abort the register write, press the PHASE [Enter] button.
14. To write the value, press the up arrow SELECT METER [Value] button to change from "No" to "Yes." Then press the PHASE [Enter] button.
The display flashes, indicating that the value has been written, then returns to the register number.
15. To write another register, repeat steps 9–14 above.
16. To leave the Diagnostics mode, press the MODE button while the circuit monitor displays "rEg No."