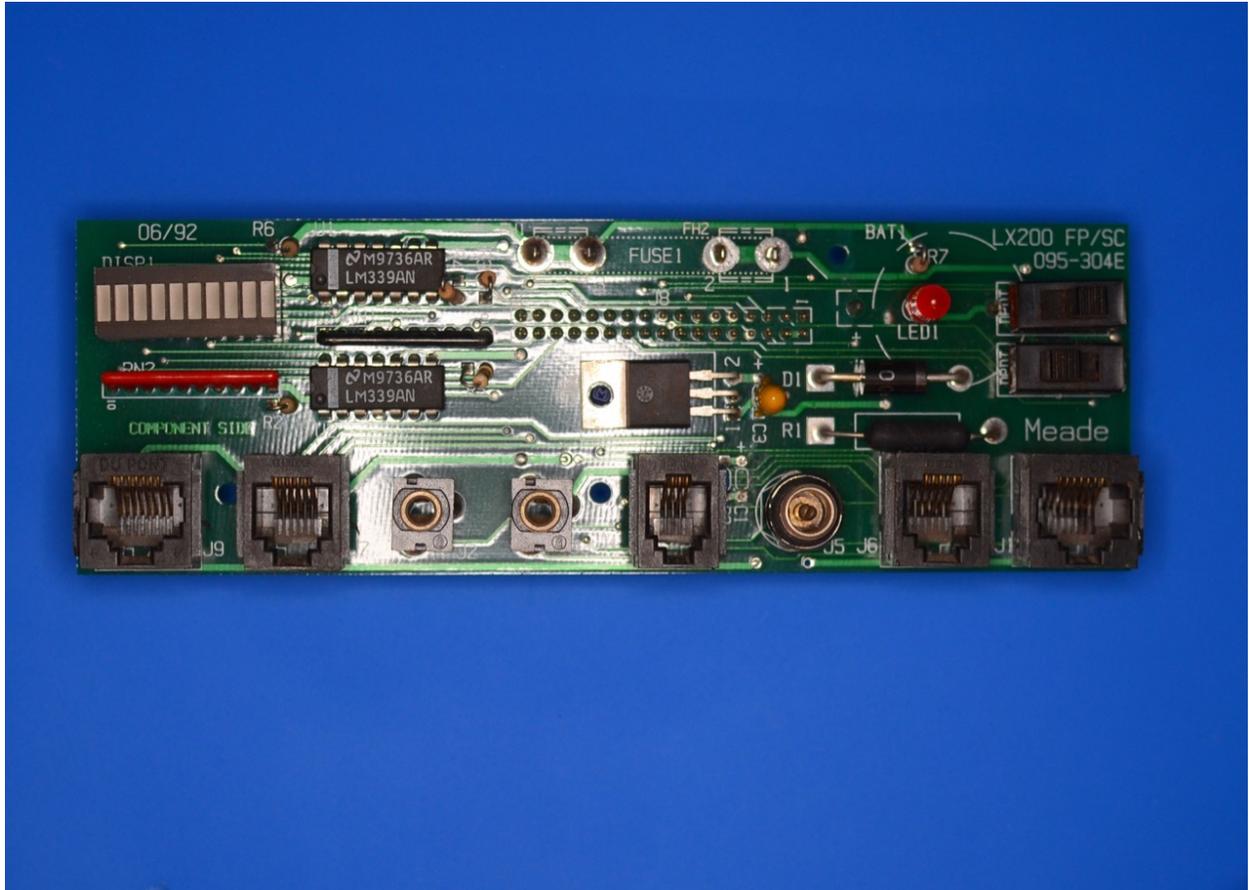


# LX200 Power Panel PC Board P/N 100240

## Description

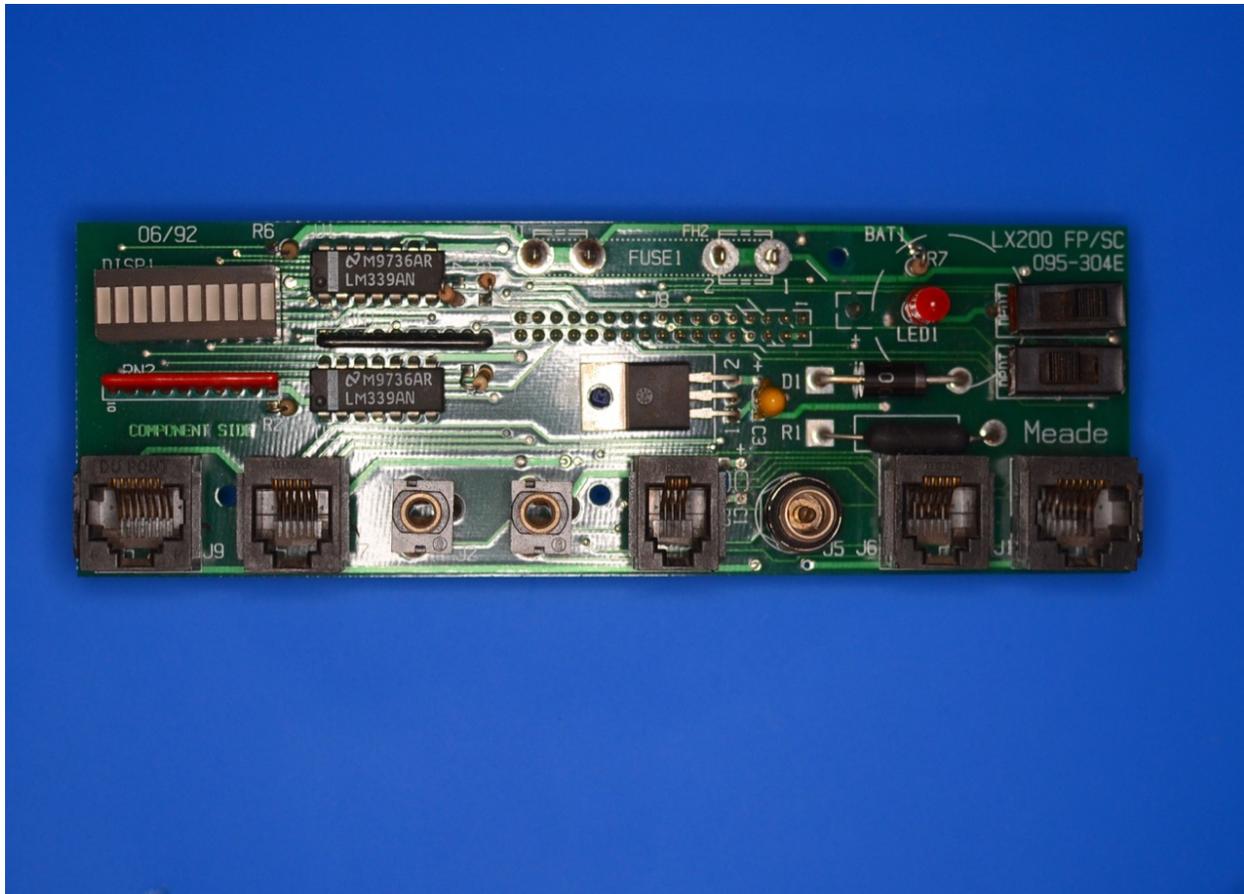
This product is a replacement circuit board for the front panel (power panel) of the Meade LX200 "Classic" Telescope, 8", 10", and 12" models. It does not fit the GPS and later versions of the LX200.



**FIG. 1. P/N 100240 POWER PANEL BOARD**

This is a form/fit/function replacement for the original Meade board, with improved electronic circuitry and similar layout and components.

Below is the original for comparison:



**FIG. 2. ORIGINAL LX200 CLASSIC POWER PANEL BOARD.**

## Installation:

Please read the following procedure through to the end before beginning. If you are not confident of your ability to perform the procedures safely, seek help. There are further resources in the Appendix of this document that will be useful if you are unfamiliar with the process.

*Ensure power is OFF before beginning.*

To remove the power panel assembly:

1. Start by removing the four screws attaching the power panel faceplate to the base of the telescope. The faceplate has the On/Off switch, connectors for Power, Keypad, etc.
2. At this point the panel and board assembly will be able to be tilted and pulled out of the base, bottom first, being held by only the 34-conductor ribbon cable. When you pull it out a

bit, you'll be able to gently remove the ribbon cable connector from the header on the back of the PC board. This is tricky because the fuse and the battery holder prevent you from getting a good grip on the ribbon connector, so you will need some patience and slowly wiggle the connector loose.

3. Now the assembly should be completely detached from the base of the telescope and can be moved for easier access. Remove the nuts holding the Focuser, Reticle, and Power connectors, along with their washers from the front of the faceplate. Other than these, the only things holding the faceplate to the PC board is the friction of the five RJ-style jacks for Aux, RS232, Keypad, CCD, and DEC Motor. That can be very strong, so again gently, separate the faceplate from those.

To attach the new PC board to the faceplate:

1. The new PC board comes with new nuts and washers, attached to their connectors to make sure they do not get lost. Remove those first before continuing. Set the faceplate on top of the PC board and line up all of the protruding connectors, switches, and LED. Gently press-fit the faceplate onto the board.
2. Replace the washers and reattach the nuts.
3. Finally, move to the base of the telescope and re-attach the ribbon connector. Warning: It is possible to mis-align this connector even though it seems to connect properly, so watch carefully to make sure it is centered on the pins.
4. Once the connector is seated, re-attach the faceplate to the base with the four screws you removed in step 1 of the "remove" procedure.

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## Appendix