

Supplementary Instructions for TXM-14LD

Light Duty Crystal Drive for Eclair NPR

The TXM-14LD is sold at a low price because of its limitations. Refer to the following information. Operation with the following characteristics will not be grounds for return except within 30 days of purchase, or for repair.

1. For use only with cameras in good condition. If the camera bearings are in good shape and properly lubricated, the TXM-14LD will give good service.

A sticky or galled shaft or bearing may overload the motor and it will shut down after a couple of minutes continuous running. The TXM-14LD can still be used in this case if time is allowed for cooling between shots. With one individual sticky camera bearing, it was possible to run all day without overheating and shutdown with a maximum 40% duty cycle, that is we could run the motor for up to 1 minute at 24 FPS, and then let it cool for 1½ minutes or longer.

If this sort of limitation is not suitable for your application, we will exchange the TXM-14LD towards a TXM-14 within 30 days of purchase if returned by the original owner in salable condition, charging just the price difference plus shipping.

2. Overheat protection. If the motor is run too long at a time with excessive drag, the automatic overheat protection will shut down the power, probably just in time to prevent the motor from smoking. This will occur without warning, and the shutter will not stop in any particular position. The out of sync light will shine brightly.

The overheat protection will automatically reset **if** you disconnect the power by unplugging the battery cable. Automatic reset takes about 15 to 30 minutes for the motor to cool and normal operation to resume. The motor will not re-start unless the power has first been disconnected for an adequate length of time to reset the protection. If the motor has not cooled sufficiently the protection will trip again in a short time.

3. Operation at other speeds or with higher voltage. You will find that at very low speeds, such as 10 or 12 FPS, it may be possible to run continuously without overheating. If you supply the camera with 14.4 or 16.8 volt power it may be possible to film somewhat longer at a time because the current is lower. Do not exceed 18 volts as a higher voltage is excessive for the circuit and may cause damage.

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The rest of the instructions are the same as for the normal TXM-14.

