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Model 2520 Pulsed Laser Diode Test System

Packing List

Introduction

This packing list contains information on using the supplied interlock key and remote interlock connector for the Model 2520 Pulsed Laser Diode Testhead. For the testhead output to be energized, the key must be inserted, and the remote interlock connector must be installed and wired as covered below:

WARNING **It is the responsibility of the customer to operate instruments in a safe manner. Follow all applicable safety regulations for installing, configuring, and using the Model 2520. The Model 2520, as installed, should be approved by the appropriate safety personnel, such as the responsible Laser Safety Officer or equivalent.**

Suggested starting points for workplace regulations and standards: ANSI Z136.1, IEC 825, OSHA 29 CFR 1910.

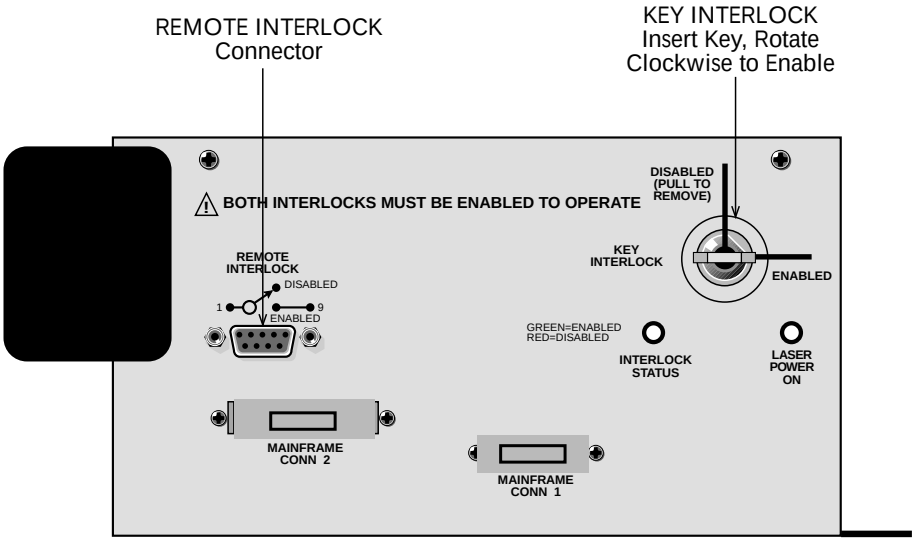
In short, always be aware of workplace hazards, strive to minimize them, and work safely.

Using the key interlock

To use the key interlock, simply insert the key into KEY INTERLOCK (see Figure 1), and then rotate it clockwise to the ENABLED position. To inhibit the source outputs, rotate the key to the DISABLED position.

WARNING **If at any time the indicators provided for INTERLOCK STATUS or LASER POWER ON should fail to light or to properly indicate status, immediately contact a Keithley service representative for repair. Failure to do so may expose the user to hazards without proper warning.**

Figure 1
Key interlock and remote interlock connector locations



Using the remote interlock connector

A remote interlock switch should be wired to pins 1 and 9 of the interlock connector, as shown in Figure 2. The connector should then be connected to the REMOTE INTERLOCK connector of the testhead (see Figure 1 for location).

Figure 3 shows typical interlock switch connections to the connector. If the test fixture switch is closed (Figure 3A), all three source outputs are enabled and can be turned on. If the lid of the test fixture opens (Figure 3B), the switch opens, and the three source outputs are disabled and cannot be turned on.

Figure 2
Remote interlock connector

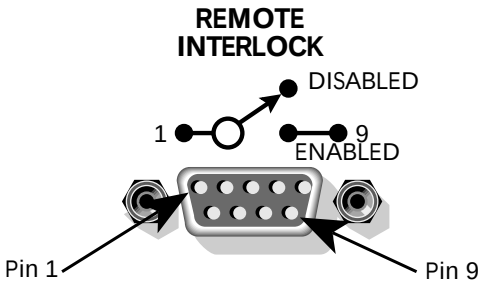
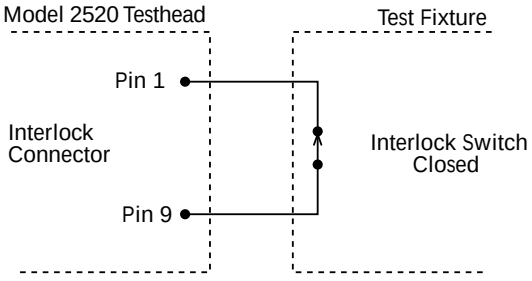
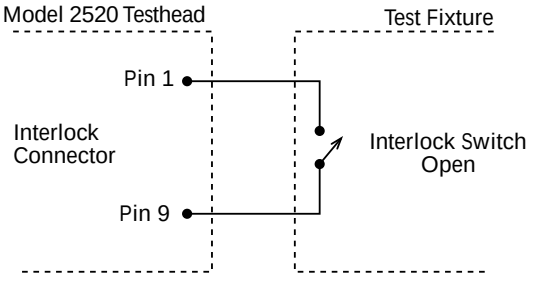


Figure 3
Remote interlock operation



A. 2520 outputs can be turned on.



B. 2520 outputs cannot be turned on.