



Devices & Services Co.

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D&S TECHNICAL NOTE 91-1

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Send Option for Solar Spectrum Reflectometer Version 5.2 and later

The Send Option reverses the function of the **SEND** key and the **DATA/HOLD** key. With this option, the pushbutton on the SSR measurement head can be used to transmit data over the serial port. This option is available for SSR software version 5.2 and later.

Without the Send Option, both the key in the lower right corner on the SSR-E keypad and the pushbutton on the SSR-R measurement head are used for a **HOLD** function. If either is pressed, the most recent reading is held. While in **HOLD** mode, both the Air Mass number and the Detector selection can be changed to record reflectance values. Pressing the **SEND** key in the lower left corner of the SSR-E keypad sends reflectance data over the serial port.

Installation of Send Option

To install the Send Option, the **EEPROM** in the SSR-E must be replaced and the **SEND** and **DATA/HOLD** keys swapped. This can be done after the SSR-E, SSR Electronics Package, has been disassembled. Refer to the SSR operating instructions for disassembly procedure.

When installing the **EEPROM**, avoid static discharge by grounding yourself. Static discharge can damage the **EEPROM** or a component on the SSR circuit board. Also, be sure to align the notch on the **EEPROM** with the notch on the socket it fits in. A Send Option **EEPROM** is labelled with an "s" after the version number.

The keycaps are a friction fit and are removed by pulling straight up.