INTERFACE COMMANDS

❊RST

The ❊RST command resets the SR830 to its default configurations. The communications setup is not changed. All other modes and settings are set to their default conditions and values. This command takes some time to complete. This command resets any data scan in progress. Data stored in the buffers will be lost.

❊IDN?

The ❊IDN? query returns the SR830's device identification string. This string is in the format

"Stanford_Research_Systems,SR830,s/n00111,ver1.000".

In this example, the serial number is 00111 and the firmware version is 1.000.

LOCL (?) {i}

The LOCL command sets the local/remote function. If i=0 the SR830 is LOCAL, if i=1 the SR830 will go REMOTE, and if i=2 the SR830 will go into LOCAL LOCKOUT state. The states duplicate the GPIB local/remote states. In the LOCAL state both command execution and keyboard input are allowed. In the REMOTE state command execution is allowed but the keyboard and knob are locked out except for the [LOCAL] key which returns the SR830 to the LOCAL state. In the LOCAL LOCKOUT state all front panel operation is locked out, including the [LOCAL] key.

The REMOTE indicator is directly above the [LOCAL] key.

The Overide Remote mode must be set to No in order for the front panel to be locked out. If Overide Remote is Yes, then the front panel is active even in the REMOTE state.

OVRM (?) {i}

The OVRM command sets or queries the GPIB Overide Remote Yes/No condition. The parameter i selects No (i=0) or Yes (i=1). When Overide Remote is set to Yes, then the front panel is not locked out when the unit is in the REMOTE state. The REMOTE indicator will still be on and the [LOCAL] key will still return the unit to the Local state.

The default mode is Overide Remote Yes. To lock-out the front panel, use the OVRM0 command before local lock-out.

TRIG

The TRIG command is the software trigger command. This command has the same effect as a trigger at the rear panel trigger input.