

4864 Addendum

A.1 INTRODUCTION

This Addendum describes pulse commands added to the 4864 in the revision 13 firmware. Users with revision 11 firmware can add pulse commands by updating to revision 13 flash chips.

A.2 SCPI TABLE CHANGES

Add two new commands to the SCPI Command Tree in Table 3-2.

TABLE 3-2 4864 SCPI COMMAND TREE

Keyword	Parameter Form	Notes & Single Letter Commands
ROUTE		Relay Control
:PULSe	channel list	PL
:WIDTh	1-30000 [25]	PW

A.3 SCPI COMMANDS TABLE CHANGES

The following command descriptions are added to the SCPI Commands and Queries descriptions in Table 3-3.

TABLE 3-3 SCPI COMMANDS AND QUERIES

Keyword	Default Value	Description
ROUTE :PULSe :WIDTh	 - 25	Starts Relay Command Branch Pulses the listed relay(s) or relay driver(s). The variable may be a single relay number (1 to 16) or a channel list. A channel list has the format (@ R1, R2, R3..Ri) or (@ R1:Ri) where R is a relay number. Pulse width is set by the :WIDTh command and is determined by the 4864's internal 1 ms interrupt. Relays are independently pulsed and each pulse command uses the last pulse width setting. User may change pulse widths for each pulse command. Concatenated pulse commands start at the same time. Sets pulse width for the :PULSe command in 1 millisecond steps from 1 to 30,000 ms. Values are 1 to 30000. Default value is 25 ms.

A.3 ADDED PROGRAMMING EXAMPLES

The following paragraph is added to the Programming Examples:

3.8.4 Pulsing Relays

Before pulsing a relay, set the relay pulse width or use the default value of 25 milliseconds. The following example pulses relays for 17 ms.

ROUT:PULSe:WIDTh 17	'sets a width of 17 ms
ROUT:PULSe 1	'pulses relay 1
ROUT:PULSe 2;PULSe 4	'simultaneously pulses relays 2 and 4