Timeout Trigger App

GDS-3502 & GDS-3504

USER MANUAL

GW INSTEK PART NO.

ISO-9001 CERTIFIED MANUFACTURER

GW INSTEK

The information in this manual was correct at the time of printing. However, Good Will continues to improve its products and therefore reserves the right to change the specifications, equipment, and maintenance procedures at any time without notice.

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INSTALL THE SOFTWARE

Steps

1. Please make sure that the firmware version is V1.06 or above. This software is only applicable for the GDS-3502 and GDS-3504 (500MHz models only).

2. Copy the installation file, TimeoutTrigger.gz, onto a USB flash drive.

3. Please insert the USB flash drive into one of the USB A ports.

4. Enter the file utilities menu (Utility key ➔ File Utilities).

5. Use the Variable knob and the select key to navigate to the TimeoutTrigger.gz file on the USB flash drive. See Fig. 1.

6. Press the Select key to select the file. A message will appear asking you to make sure the system date is correct before you proceed. Press the Select key to confirm and to start the installation process. See Fig. 2.

7. The installation will proceed automatically. When the following message appears, "Please turn-off the oscilloscope and turn-on again!", cycle the power on the scope and remove the USB flash drive.

8. The Timeout Trigger APP should now be

installed.

Fig.1

Fig.2

UNINSTALL THE SOFTWARE

Steps

1. Enter the APP menu. (Test key ➔ APP)
2. Use the Variable knob to select the TimeoutTrigger driver file. Fig.3.
3. Press the Uninstall soft-key twice to uninstall. The uninstallation process will commence automatically.
4. Cycle the power on the oscilloscope when the message, "Please turn-off the oscilloscope and turn-on again!" appears on the screen.

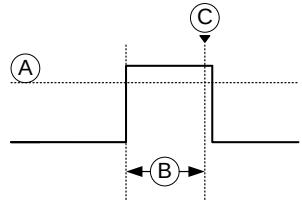
Fig. 3

HOW TO USE THE SOFTWARE

Introduction

The timeout trigger is designed to trigger when the signal stays high, low or either for a designated amount of time. The trigger level determines when a signal is high or low.

Example Diagram



A Trigger level threshold
B Timer
C Triggering point

Steps

1. Enter the Trigger Type menu. (Menu key ➔ Type).
2. Press the Others soft-key and choose the Timeout trigger type. Fig. 4.
3. There will be 2 new trigger settings available in the bottom menu: Trigger When, Timer.
4. Press the Trigger When soft-key and set the triggering conditions:

   Stays High Triggers when the input signal stays high for a designated amount of time.

Stays Low	Triggers when the input signal stays low for a designated amount of time.
Either	Triggers when the input signal stays high or low for a designated amount of time.

5. Press the Timer soft-key and set the amount of time that a signal must stay high or low for the timeout trigger.

   Range: 10nS~10.0S

6. See the user manual to set other associated trigger settings.

Fig. 4