AC205817 – Programming Kit for TT518 / TT519 / TT520 / TT521

User Guide
Contents

Introduction ......................................................... 1
Installation .......................................................... 1
  AC205817 Device Drivers .................................. 1
  Temptran Utilities Software .............................. 2

Using the Programmer and Temptran Utilities Software ........................................ 3
  Connecting the Programmer ....................... 3
  Connecting the Transmitter ......................... 4
  Using the Temptran Utilities Software .......... 5

FAQs .................................................................. 6
  The Temptran Utilities software only has 100 ohm RTD inputs and I have 1000 ohm RTDs. How can I change to 1000 ohm RTDs? .......... 6
  I am using Non-Pt(.00385) RTDs. Is it possible to reprogram the transmitter with a different zero and span? ........................................ 6

Document Overview
This document provides an overview of how to use the AC205817 Programming Kit.

For More Information
For more information on the contents of this document, please contact your local Minco representative.
Introduction

The AC205817 is a programming device for the TT518, TT519, TT520, and TT521 lines of Minco programmable transmitters. Utilizing the programmer and Temptran Utilities software, users are able to adjust each transmitter’s settings such as the input type, zero and span, and more.

Installation

AC205817 Device Drivers

1. Using the USB cable, plug in the programmer to your computer. A New Hardware Wizard will appear and will fail to install the device correctly.
2. Navigate to your computers’ Device Manager (Control Panel>System>Device Manager)
3. Find the ‘USB Communicator’ device, which will have a yellow exclamation point on its icon, indicating a failed installation. To fix this, right click and select ‘Update Driver Software’
4. On the following screen, select ‘Browse Your Computer for Driver Software’
5. Browse to the folder that contains the programmer drivers on your Computer. Make sure the folder is unzipped.
6. Install the device drivers and the AC205817 driver installation is complete!

Temptrn Utilities Software

1. Unzip the installation folder and then double click Setup.exe

2. Select ‘Next’ on the three InstallShield Wizard windows that appear. Next, select ‘Install’ to begin the software installation.
3. When the installation has finished, select ‘Finish’ to close.

Using the Programmer and Temptran Utilities Software

Modifying any transmitter settings can be performed through the Windows application, Temptran Utilities. After installing the AC205817 device drivers and Temptran Utilities software, run the program to get started.

Connecting the Programmer

1. Connect to the AC205817 programmer by selecting [Tools] [Set COM port], and the “Options” window is shown on screen.
2. Select ‘OEM Communicator’. Temptran Utilities now selects a COM port which will be linked with the USB port to which the programmer is connected. Press ‘OK’ to confirm selection.
Connecting the Transmitter

Connect the programmer’s red wire to the positive terminal on the transmitter, and the black wire to the negative terminal on the transmitter. If the device is currently operating within a 4-20mA loop, connect the yellow and green wires to the supply and ground respectively. Doing this will allow the 4-20mA loop to continue to operate during the programming process.
Using the Temptran Utilities Software

1. Select the appropriate model from the model list on the left side. The device settings will appear on several tabs on the main part of the screen. Note: An alternative approach is to read a configuration from the currently attached device by selecting [Tools] [Receive].
2. Modify the appropriate settings
3. Transmit the settings to the connected transmitter by selecting [Tools] [Transmit].

For advanced operations, please contact your local Minco representative.
FAQs

The Temptran Utilities software only has 100 ohm RTD inputs and I have 1000 ohm RTDs. How can I change to 1000 ohm RTDs?
Under the ‘Input’ tab of your device, ensure that ‘Pt 100(DIN/IEC)’ is selected as the ‘Type’. Next, find the ‘Number of Rtd’s in series’ section and select the ‘10’ instead of ‘1’. Your device is now configured for 1000 ohm RTDs.

I am using Non-Pt(.00385) RTDs. Is it possible to reprogram the transmitter with a different zero and span?
If you are using the TT521, select ‘Special RTD’ under the ‘Input’ type and input the Callendar Van Dusen parameters under the ‘Customer Linearization’ tab. For other models, contact Minco and specify an element type and desired range and we will follow up with configuration.