eLinx™ PROGRAMMING

Category: Registers & Endpoints

Type: eLinx Interpreter

Issue: Programming
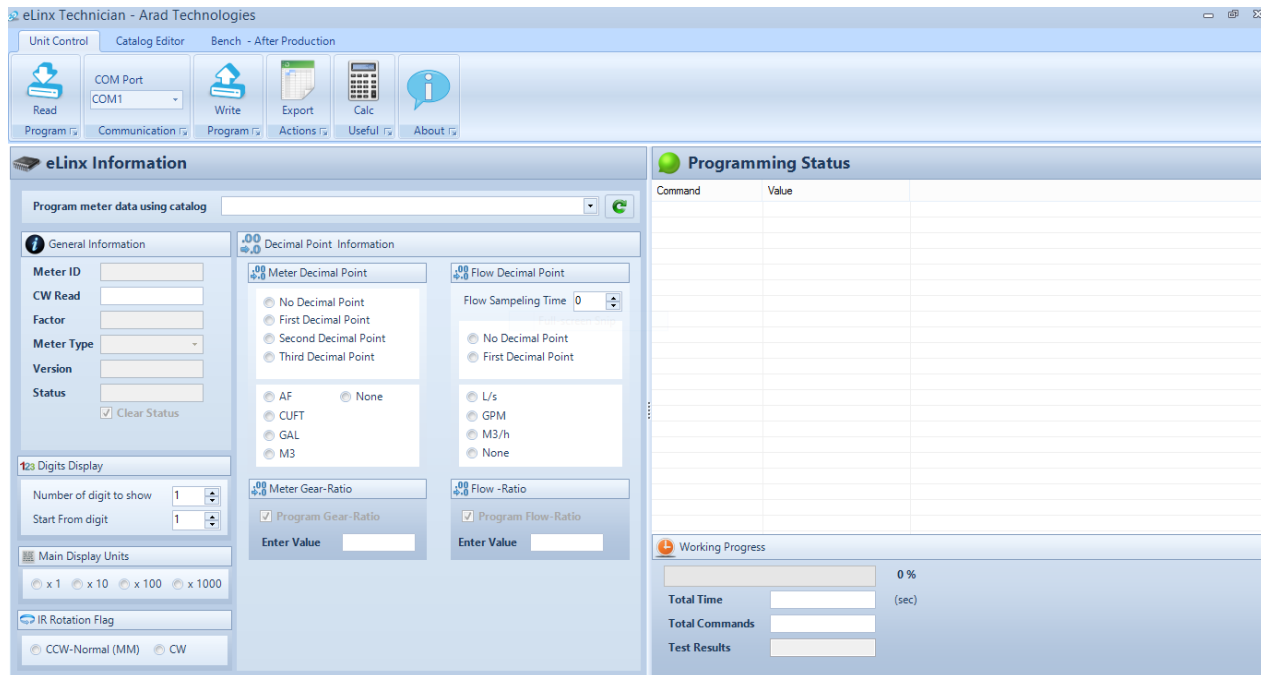
Introduction

This document will walk you through how to properly program your eLinx™ Interpreter®.

PLEASE NOTE: eLinx Technician Version 1.3.0 software should be used when programming.

Installation:

After installing eLinx Technician software (*See Figure 1*), plug in the eLinx Programmer (*See Figure 2*) to your computer. After a few seconds the programmer will begin installing the correct driver. You are now ready to being using eLinx Technician software.
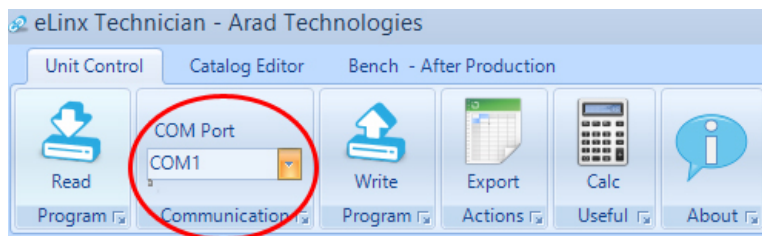

Figure 1: eLinx Technician Software

Figure 2: eLinx Programmer
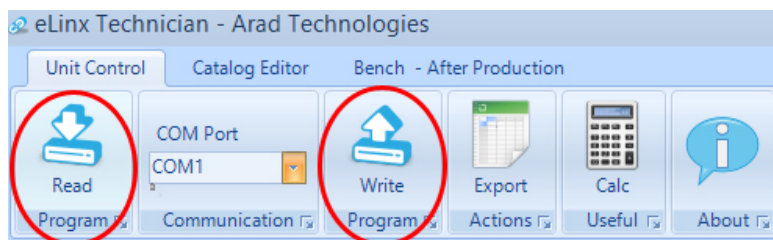
Communication Port:

Within the **Unit Control** menu located in the top left-hand corner of your screen, you will find the Communication Port (**COM Port**) command (*See Figure 3*). Please ensure the correct *COM Port* is selected for the eLinx Programmer. If the correct *COM Port* has not been selected, you will need to manually locate this communication port within the Device Manager menu of your computer.

Figure 3: COM Port

Read & Write:

The **Read** and **Write** tabs (*See Figure 4*), located within the **Unit Control** menu are the two main tabs you will be using.
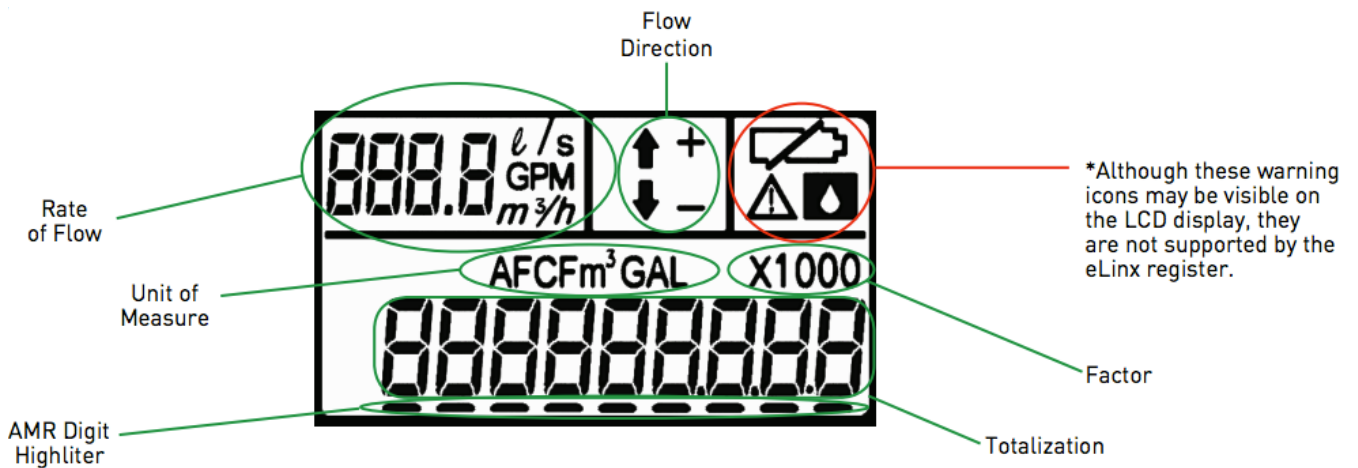

Figure 4: Read & Write Tabs
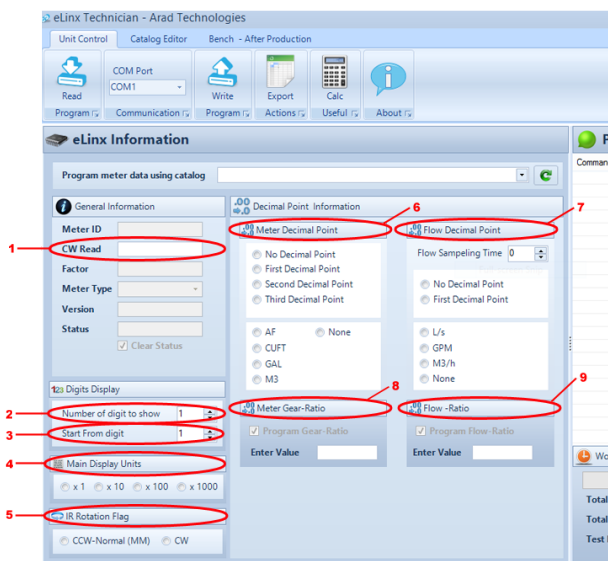
Programmability Fields:

The programmable design of eLinx Interpreter allows this register to work on most any meter and connect to most any AMR/AMI system with common bayonet-style register housing.

Please use *Figure 5* below as a reference for the Programmability Fields section of this document.

Figure 5: eLinx LCD Display

Below you find a list of fields to take note of (*See Figure 6*).

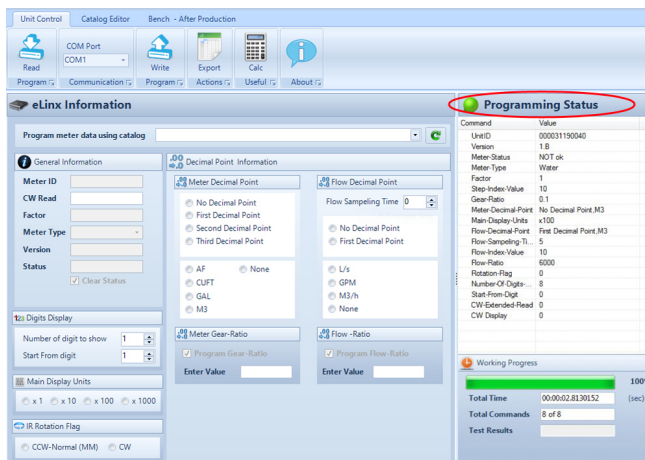
Figure 6: Programmability Fields

1. **CW Read** – Reading to be programmed (*If new installation set to "0"*)
2. **Number of digit to show** – Number of digits to be shown (*One to nine digits*)
3. **Start From digit** – Starting digit
4. **Main Display Units** – Reading range to be used (*Four multiplier options available*)
5. **IR Rotation Flag** – Direction the measuring chamber spins with water flow (*CCW-Normal (MM) is most commonly used for Master Meter water meters*)
6. **Meter Decimal Point** – Decimal place value to be shown (*Also known as the Unit of Measure. See Figure 5*)
7. **Flow Decimal Point** – Decimal place value to be shown in the Rate of Flow (Also the unit of measure for water flow) window
8. **Meter Gear-Ratio** – Found in 3G Tech NET**
9. **Flow Ratio** – Gear ratio of the meter (Gallons or Cubic Feet)

PLEASE NOTE: In order to view Rate of Flow, the desired unit of measure must be entered in the Meter Gear Ratio field (*Gallons is the most common Unit of Measure used*).

After all parameters have been selected, attach the eLinx Programmer to the eLinx Interpreter. There are multiple ways to attach to eLinx. Please see connectivity options listed below:

1. Sensus TR/PL Sensor w/Wire
2. Itron Inline Connector
3. Nicor Connector
4. Bare Wires

Once connected click on the **Write** tab, located in the **Unit Control** menu. You are now able to program all parameters selected for your eLinx Interpreter. You can verify programming parameters within the **Programming Status** window, located to the right of the **eLinx Information** window (*See Figure 7*).

Figure 7: Programming Status

To locate the **Meter Gear-Ratio for your eLinx Interpreter follow the steps below within 3G Tech NET:

1. Select the **Interpreter** box under the *Select Unit Types* menu.
2. Double-Click on **Interpreter II Properties** located in *Set* menu, directly to the right of the *Select Unit Types* menu.
3. Select the correct **Brand**, Size (*Diameter*) and Model (*Catalog*) meter you are installing. Once preferences have been selected the *Gear Ratio* will appear.
4. Enter this value within the **Meter Gear-Ratio** field of eLinx Tech to continue programming your eLinx Interpreter.