# PLC Display

World's cheapest plc display. It communicates with PLCs through inputs and outputs. In this way, your users can enter data into PLCs with a cheaper method (Example: Turning a machine on and off or adjusting its working time.) Also, this communication allows PLCs to benefit from Arduino features.

How does it work?

When the user selects an option on the screen (example: turning on the motor), energy passes through the output you set earlier and reaches the input of the PLC. When the signal comes to the previously determined input, the code to start the engine starts to run, so users can manage the PLC with a display.

4 Outputs, 2 Inputs. Send and get data. You can send 4 different data to PLC. You can use also binary method to configuration.

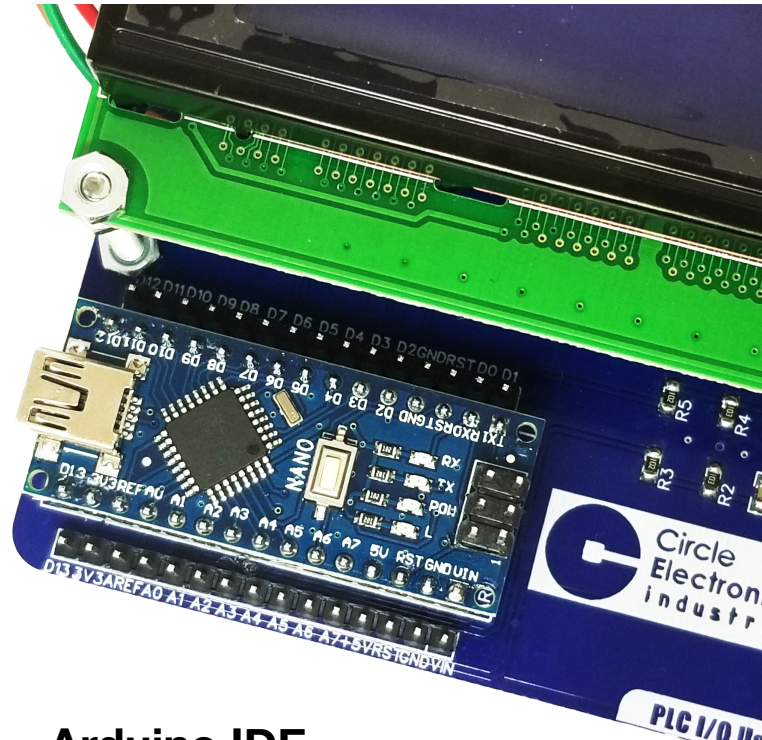You can use this product as a user interface.
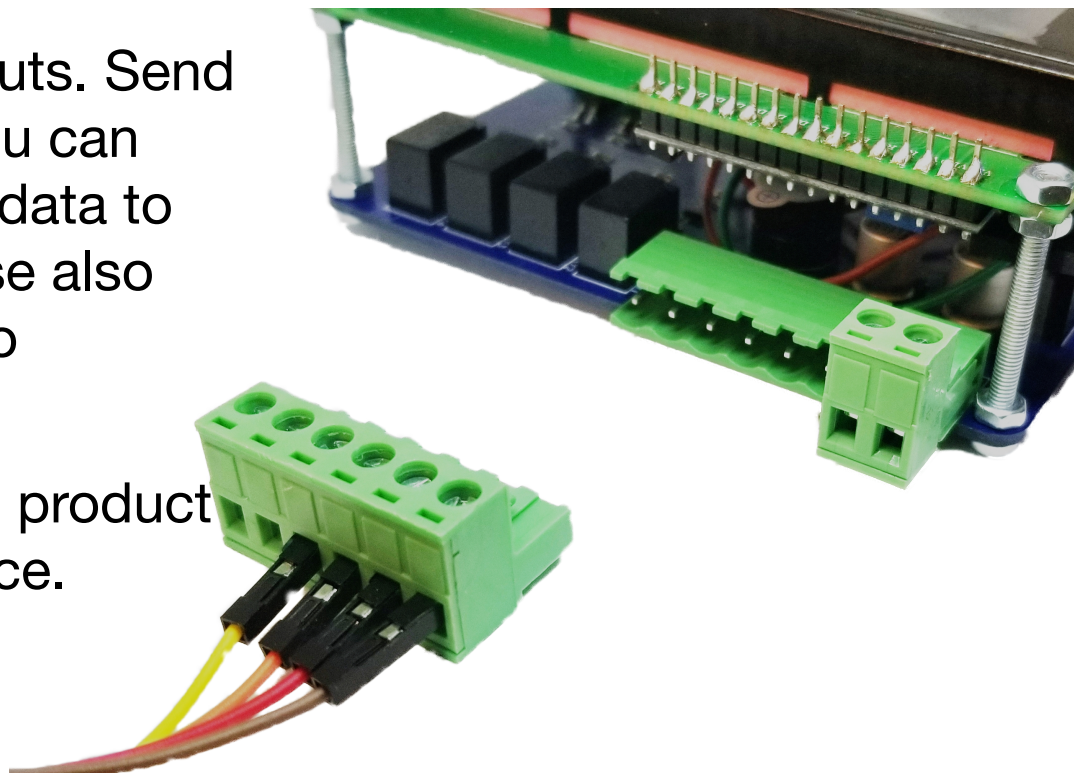
Arduino Nano Powered

Design your PLC Screen with Arduino Nano. You can have a cheap screen for your PLC and also have a the opportunity to use modules made for Arduino.
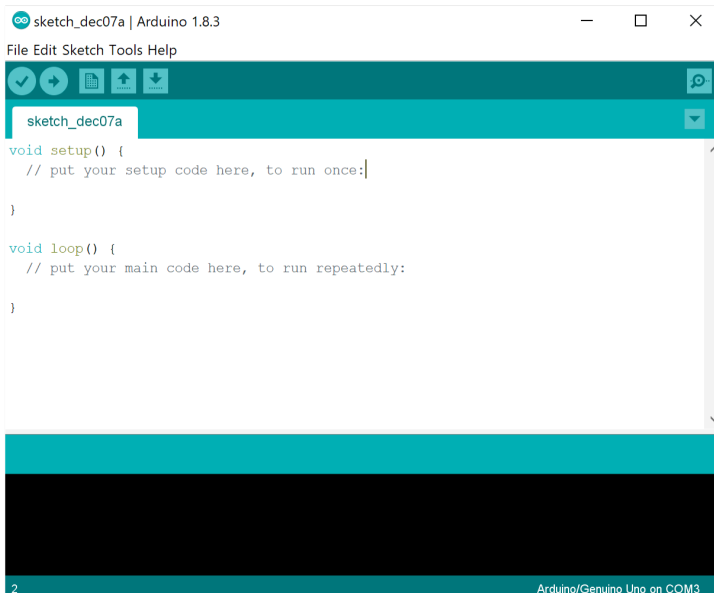
Make your PLC work together with Arduino circuit.

Arduino IDE

Code your display with Arduino IDE Platform. Arduino NANO powered PLC I/O User Interface can be code on Arduino IDE.

Use All Arduino IDE Libraries for Circle Electronic Industrial PLC I/O User Interface Product.

Set the Output Voltage Yourself

You can set the output voltage with 7805 voltage regulator up to 35v. PLC's usually works with 24v but some PLC's uses 12v. You can set the output voltage.*min 7v

7805 gives power to the Arduino and other components. LCD Display, buzzer, relays get them power from the regulator.
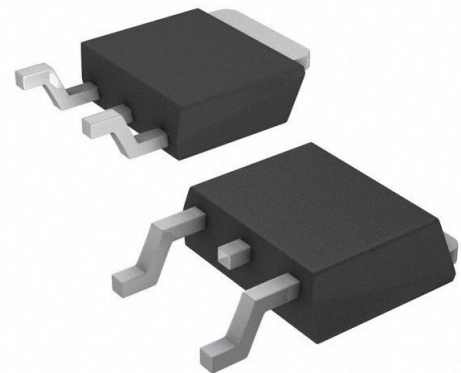
3D Printed Encoder Knob

3D Printed Knob for Rotary Encoder Knob.
Design your knob yourself.

Create Menu

Create Menu using Arduino IDE. You can see
how it can do in coding part.

There are too many options to create menu:

Single Menu
Single Menu and Sub Menu
Single Menu and Sub Menu and Sub Sub Menu

Actually there is no limit to add sub menu to this
product

Use **Arduino**
Modules in your
projects and lower
the costs. And
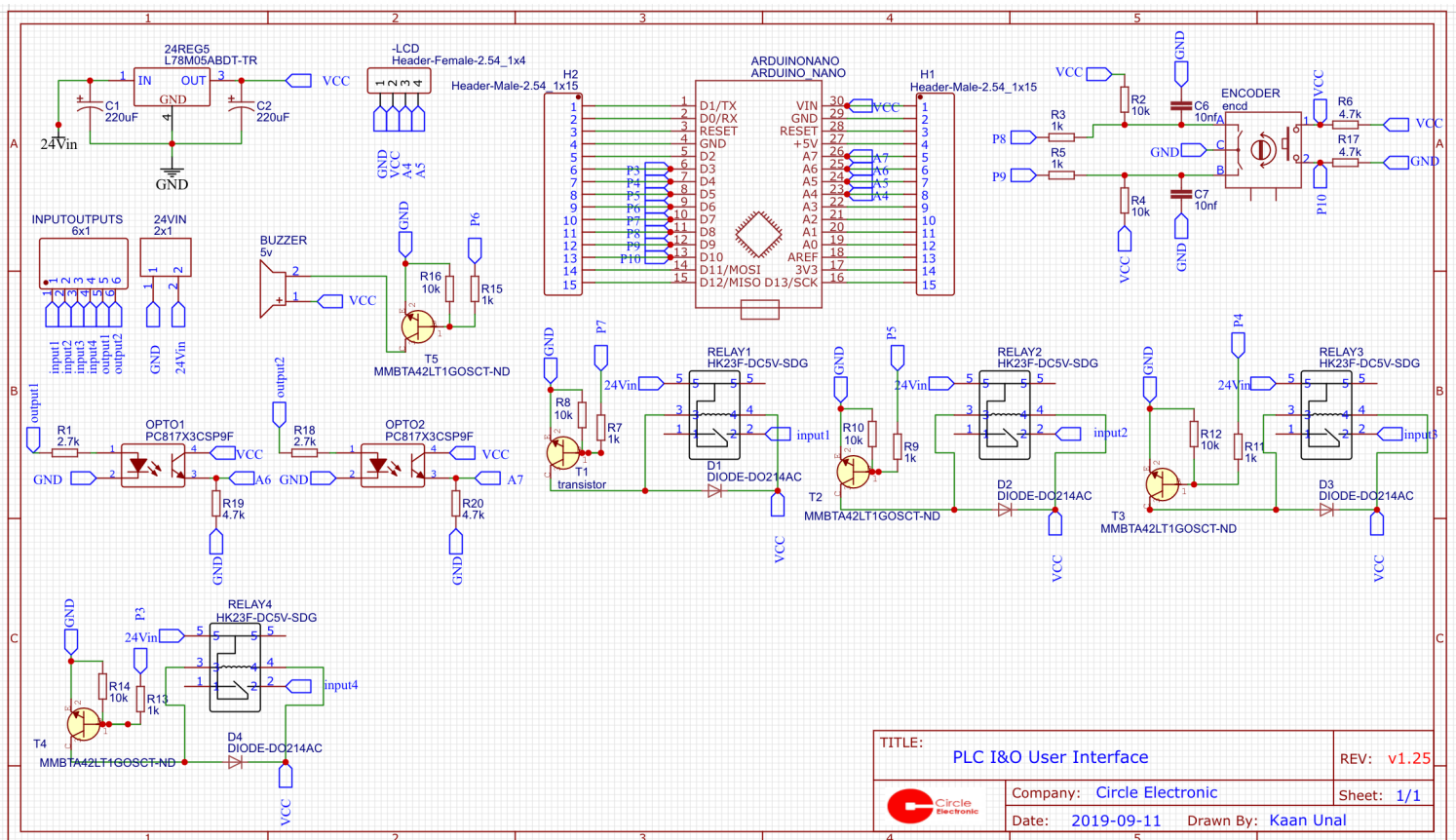you can use
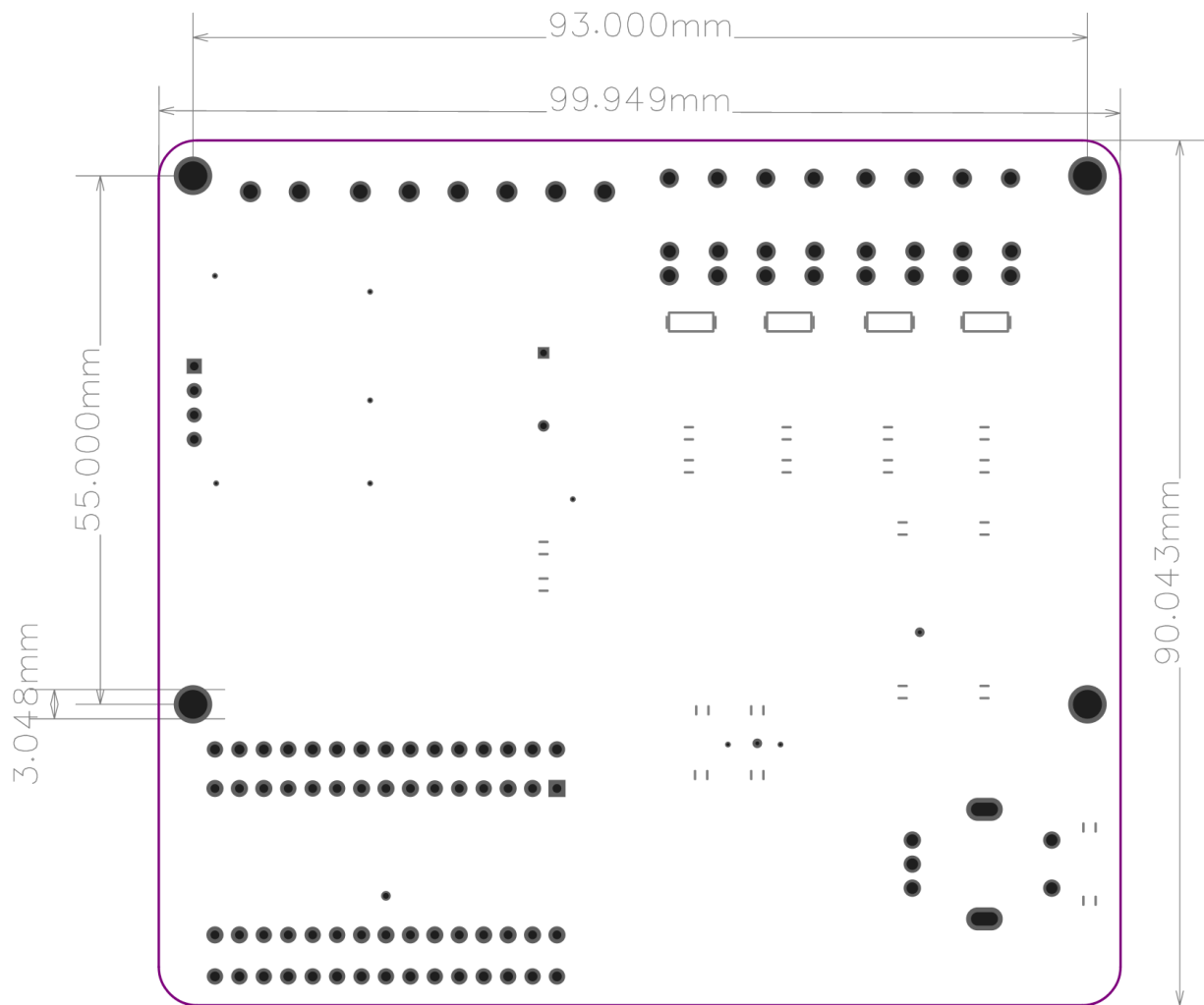**Arduino** libraries
with **PLC's**.
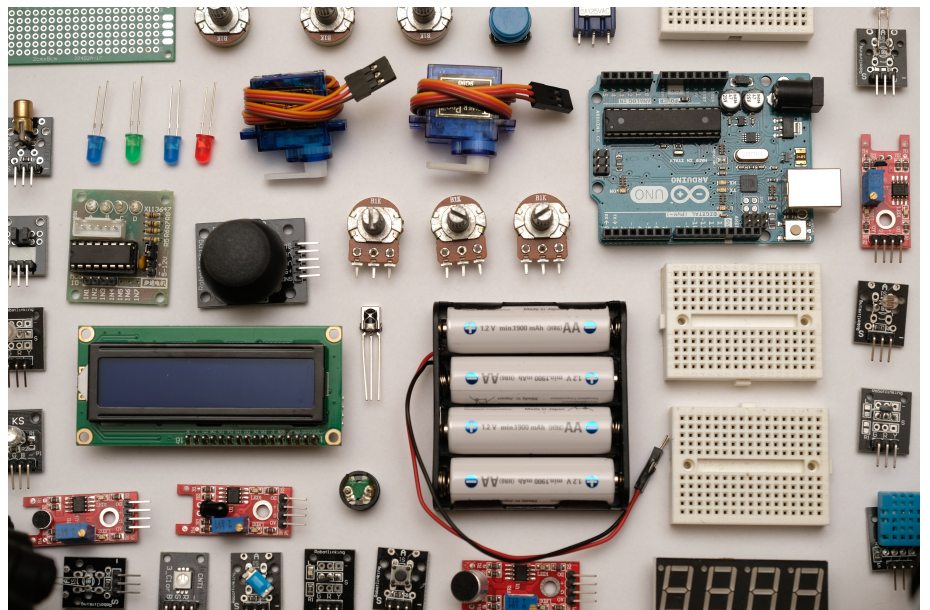
Specs		
Output Voltage	Min 7V	Max 24V
Output Current	Min 0.1mA	Max 1A (4 Output Total 0.25x4)
Input Voltage	Max 24V	
Vin Voltage	Min 7V	Max 24V
Arduino VIN Voltage	Max 5V	
Display Voltage	Max 5V	

Schematic

93.000mm

99.949mm

55.000mm

3.048mm

90.043mm

Download the Code: