Learning Picosoft

Panel 2
PLC - Programmable Logic Controller

Panel 3
Totally different programming methods - Purely graphical!

Panel 4
Select the device
Panel 5

Basic Switch

Basic relay output circuit

Panel 6

The two basic switch types

Make

Break

Panel 7

Basic Marker types

Set

Reset

Panel 8

Basic Marker types

Set

Reset

Contactor

M1
Panel 9

**Basic Marker types**

- Set
- Reset
- Contactor
- Impulse

Panel 10

**Timer (or Timer Coil or Timer Relay):**
This is a special kind of relay coil and switch. When the coil of this device is energized, the device delays a fixed length of time before the contacts are closed. Once the contacts are closed, they will remain closed as long as the coil remains energized. If the coil is de-energized, the solenoid returns to its original position and the switch contacts immediately open. For the contacts to again close, the coil must be energized through a full time delay.

Panel 11

**Basic Timer Types**

- (Changed under the parameters)
- On-Delay
- Off-Delay

Panel 12

**Counter (or Counter Coil):**
This is a special kind of relay that engages a coil (thereby closing contacts) only after receiving a given number of state transitions (typically OFF to ON). Usually the counter is set with a number of counts which decrements with each transition. Then the counter registers zero, the all of the counter's normally open contacts will be closed. The contacts will remain ON regardless of whether the input to this device stays energized or not. To turn OFF these contacts, requires that the device reset the counter using a special counter reset function.
Basic Counter

Standard Counter

Reset

Note the counter and reset are both modifying counter 1