



ECT 464

Lecture 24

Siemens Instructions 3

Today's Quote:

The secret of contentment
is the realization that life is
a gift not a right.

*But godliness with contentment is
great gain. But godliness with
contentment is great gain.*

1 Timothy 6:6,7

Counter Instructions

The Count Up instruction (CTU) counts up from the current value each time the count up (CU) input makes the transition from off to on. When the current value Cxx is greater than or equal to the preset value PV, the counter bit Cxx turns on. The counter is reset when the Reset (R) input turns on, or when the Reset instruction is executed. The counter stops counting when it reaches the maximum value (32,767).

The Count Down instruction (CTD) counts down from the current value of that counter each time the count down (CD) input makes the transition from off to on. When the current value Cxx is equal to 0, the counter bit Cxx turns on. The counter resets the counter bit Cxx and loads the current value with the preset value PV when the load input LD turns on. The counter stops upon reaching zero,