

Example 48 - Using a delay to activate the control loop with a press of the EZ Key.

Real world example is where a customer wants to delay auto control mode with an action of pressing a EZ Key or digital input such as after 24 hours the control loop starts to control.

Demonstrates use of Timer, Counter, and Action Function blocks.

Theory of operation - Timer 1 is free running timer when Run signal is active. Timer 1 produces pulse when Time in seconds is reached providing reset to self and pulse to Counter 1. Counter 1 counts up for each timer pulse starting at Load Value and produces a pulse count when Target Value is reached. Counter will latch output and deactivate action function block. EZ Key resets counter Counter 1.

