

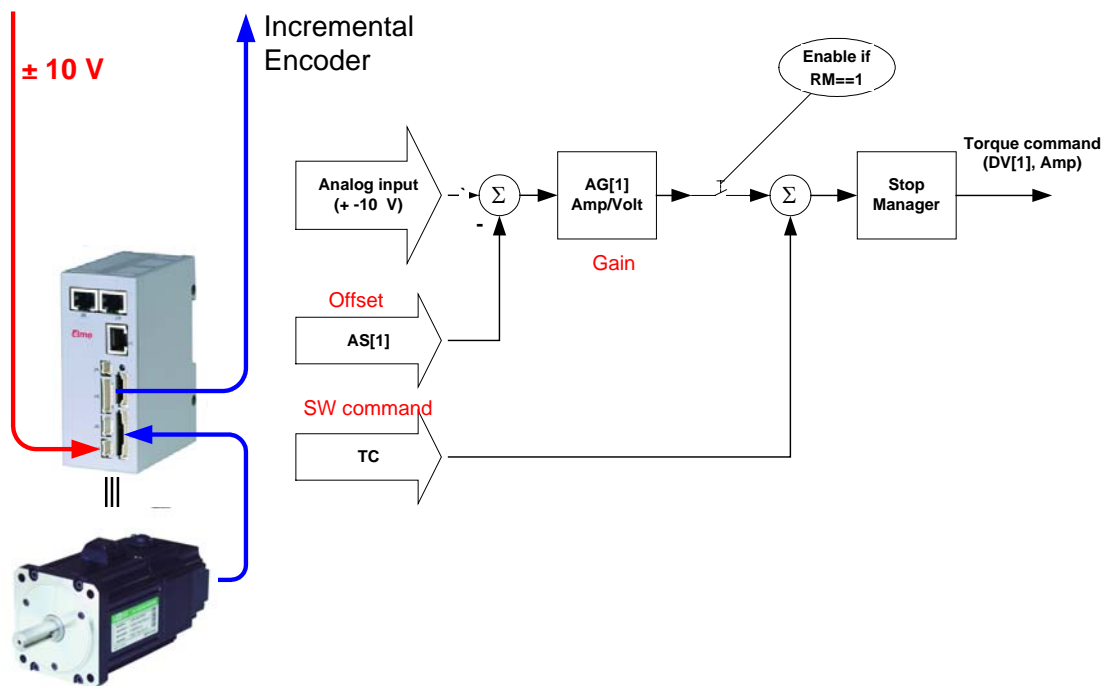
Application Note # 5001

SimpliQ Digital Drive – Current Mode.

1. Introduction

Elmo *SimpliQ* digital drives can work in basic current mode accepting software and or analog commands.

2. Theory of operation



3. Pre Defined Conditions

- Tuned drive for current mode minimum.

4. Programming

```
/*      this program set parameters for an analog driven current drive      */
#@AUTOEXEC

MO=0          //      Disable motor before setting configuration
UM=1          //      Set current mode
AG[1] = PL[1]/10 //      Set maximum analog command to Peak current
RM=1          //      set reference command on to enable
HL[2] = 20000000 //      Set maximum speed to the maximum enabled by the drive
LL[2] = -20000000 //      Set minimum speed

/*      Set digital input logic      */
IL[1]=0       //      In #1 Amp. Enable (Opposite to inhibit) Inhibit is active low
                enable is active high
IL[2]=8       //      In #2 RLS active low
IL[3]=10      //      In #3 FLS active low

/*      Set digital output logic      */
OL[1]=3       //      Out #1 AOK active High
```