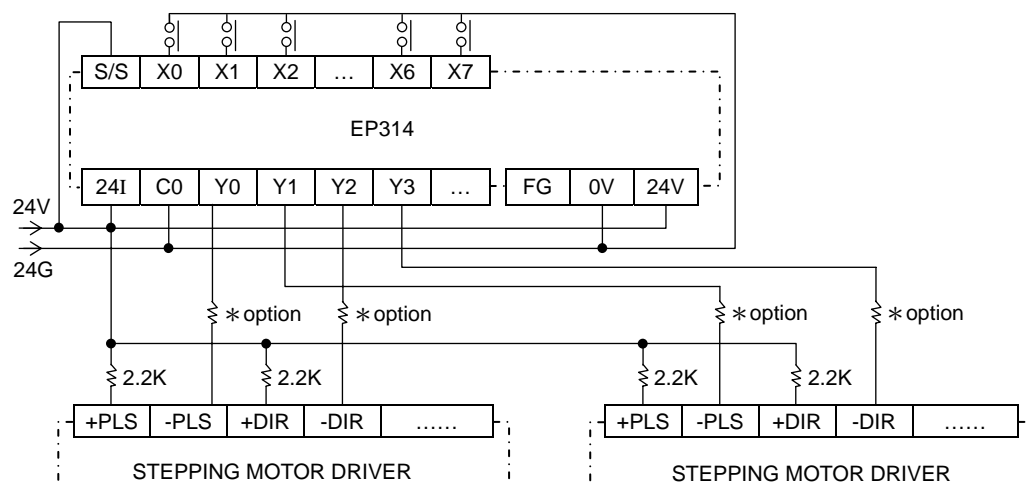


EPeditor : Axes Control (HMI type: EP314) – ZRN control – Stepping motor

◆Wiring diagram



◆Parameter setting of EpEditor :

Zrn Control

☒ Enable Axis1 Zrn Control

startMregister(Y0) M 520
 M520–M529 be occupied
 startDregister(Y0) D 120
 D120–D129 be occupied
 DZRN [S1.] [S2.] [S3.] [D.] #pls:Y0,dir:Y2
 Axis1 HomeSpeed [S1.] D 120
 Axis1 CreepSpeed [S2.] D 122
 Axis1DogPoint [S3.] X 6
 Ax1ServoZeroPointCount [X0] 0
 Axis1ReturnMode Forward-L
 Maximum Speed (D8156) 20000 pps
 Bias Speed (D8168) 100 pps
 Acc./Dec..Time [D8164] 200 (ms)
 Dec Time (D8165) 160 (ms)
☐ Axis1Acc./Dec.TimeSeparatedFlag

☒ Enable Axis2 Zrn Control

startMregister(Y1) M 530
 M530–M539 be occupied
 startDregister(Y1) D 130
 D130–D139 be occupied
 DZRN [S1.] [S2.] [S3.] [D.] #pls:Y1,dir:Y3
 Axis2 HomeSpeed [S1.] D 130
 Axis2 CreepSpeed [S2.] D 132
 Axis2DogPoint [S3.] X 7
 Ax2ServoZeroPointCount [X1] 0
 Axis2ReturnMode Forward-L
 Maximum Speed (D8158) 20000 pps
 Bias Speed (D8170) 100 pps
 Acc./Dec..Time [D8166] 200 (ms)
 Dec Time (D8167) 1 (ms)
☐ Axis2Acc./Dec.TimeSeparatedFlag

Help ...

Ok

Cancel

< Screen 1 of example >



Press [SFT]+[F1](M520) once under this screen, Axis1 starts to execute zero-return

During zero-return, Busy indicator (M522) will be ON

HomeSPD. [D121,D120] : input Search HomeSpeed of Axis1. It is ineffective to change speed during operation.

Bias speed \leq HOME speed \leq Maximum speed

CreepSPD. [D123,D122] : input Search CreepSpeed of Axis1. It is ineffective to change speed during operation.

Bias speed \leq Creep speed \leq 32767 pps

When zero-return is finished, Finish indicator (M527) will be ON.

To press [SFT]+[F3](M523) can set with or without slope stop when it stops.

< Screen 2 of example >



Press [SFT]+[F2](M530) once under this screen, Axis2 starts to execute zero-return

During zero-return, Busy indicator (M532) will be ON

HomeSPD. [D131,D130] : input Search HomeSpeed of Axis2. It is ineffective to change speed during operation.

Bias speed \leq HOME speed \leq Maximum speed

CreepSPD. [D133,D132] : input Search CreepSpeed of Axis2. It is ineffective to change speed during operation.

Bias speed \leq Creep speed \leq 32767 pps

When zero-return is finished, Finish indicator (M537) will be ON.

To press [SFT]+[F4](M533) can set with or without slope stop when it stops.