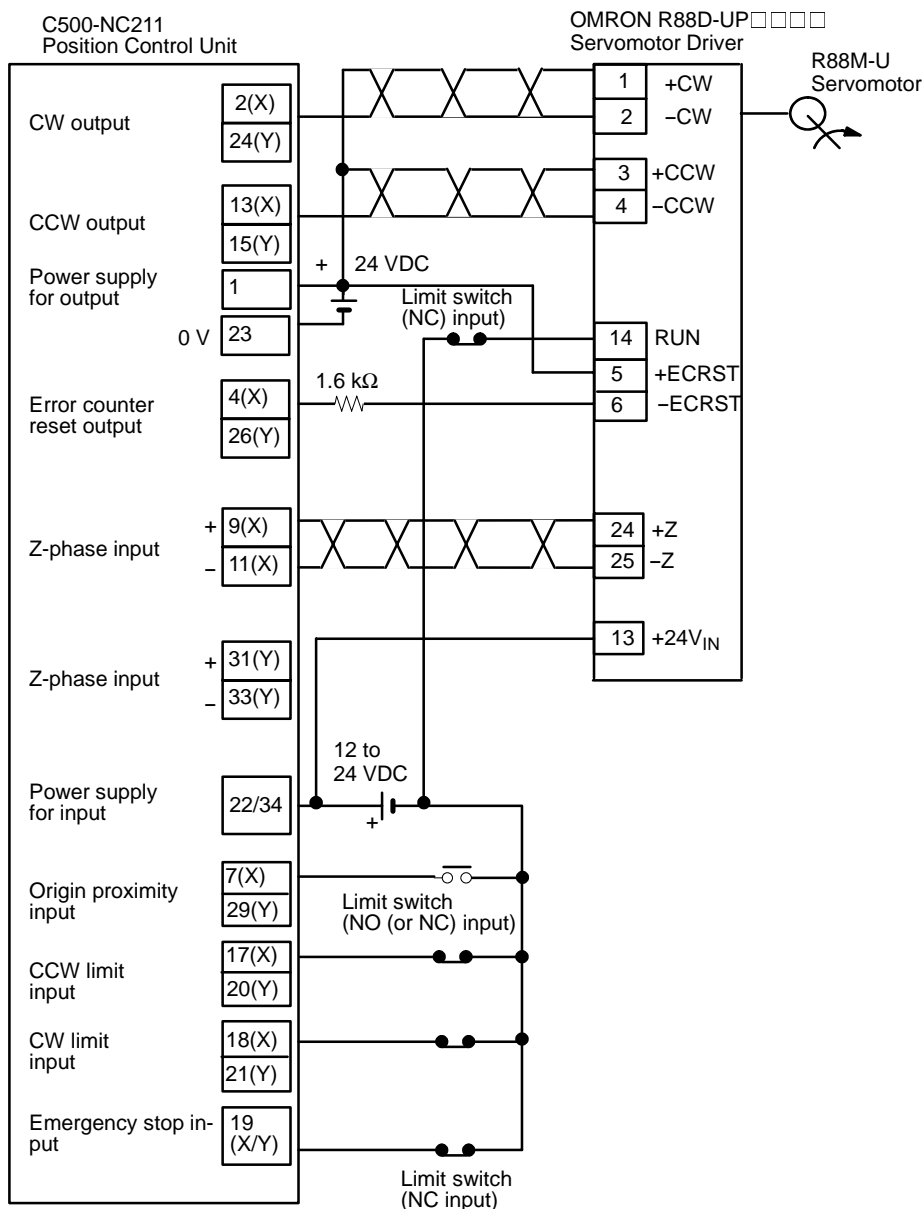


Example 2: Origin Search Mode 1 Connection

In this example, a servomotor driver is employed and the Z-phase of the encoder is connected to the origin line driver input terminal and used as the origin signal. (X axis only for the NC113.)

Note Do not connect anything to the origin signal (10 (X) /32 (Y)). In this example an OMRON Servomotor Driver is used.



Caution When only one axis is used, short-circuit the CW limit input and CCW limit input of unused axis to 0 V in 12 to 24 VDC. If these are not short-circuited, the ERROR LED will light, but the axis in use will operate normally.

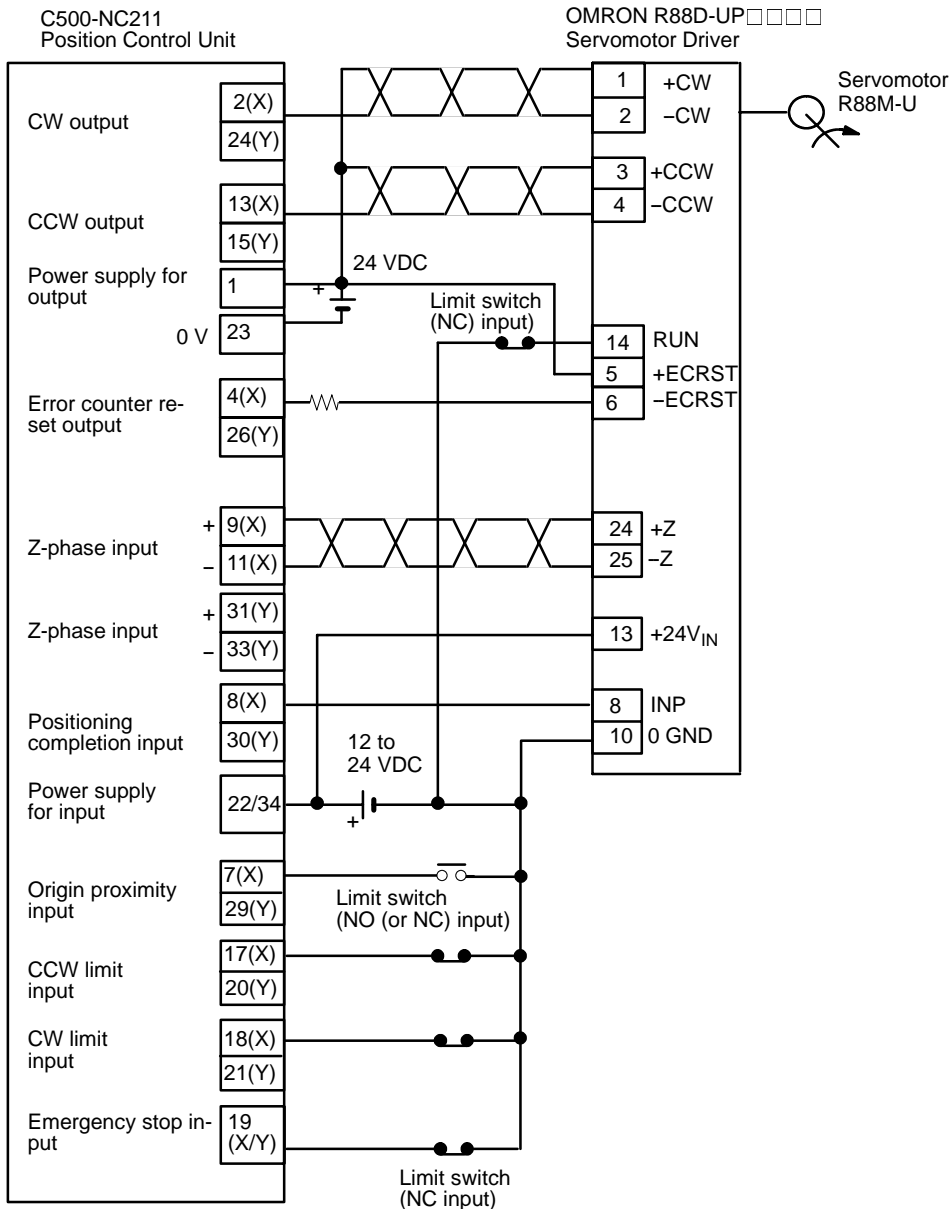
Example 3: Origin Search Mode 2 Connection

In this example, as in example 2, a servomotor driver is employed and the Z-phase of the encoder is connected to the origin line driver input terminal and used as the origin signal. (X axis only for the NC113)

Note Do not connect anything to the origin signal (10 (X) /32 (Y)).

Here the positioning completed signal of the servomotor driver serves as both the origin search completion and the positioning completed signals. Only the X axis is shown; the same wiring would be used for using the Y axis.

Be sure to adjust the settings of the servomotor driver so that the positioning completed signal is OFF when the motor is operating and ON when it is stopped.



Caution

When only one axis is used, short-circuit the CW limit input and CCW limit input of unused axis to 0 V in 12 to 24 VDC. If these are not short-circuited, the ERROR LED will light, but the axis in use will operate normally.