**Wavy Nozzle Electrical Connection**

**Connection of M-Code Signal**

Example 1

| Machine side | Wavy Nozzle side |
| --- | --- |

**Control Board  CN3**

NC

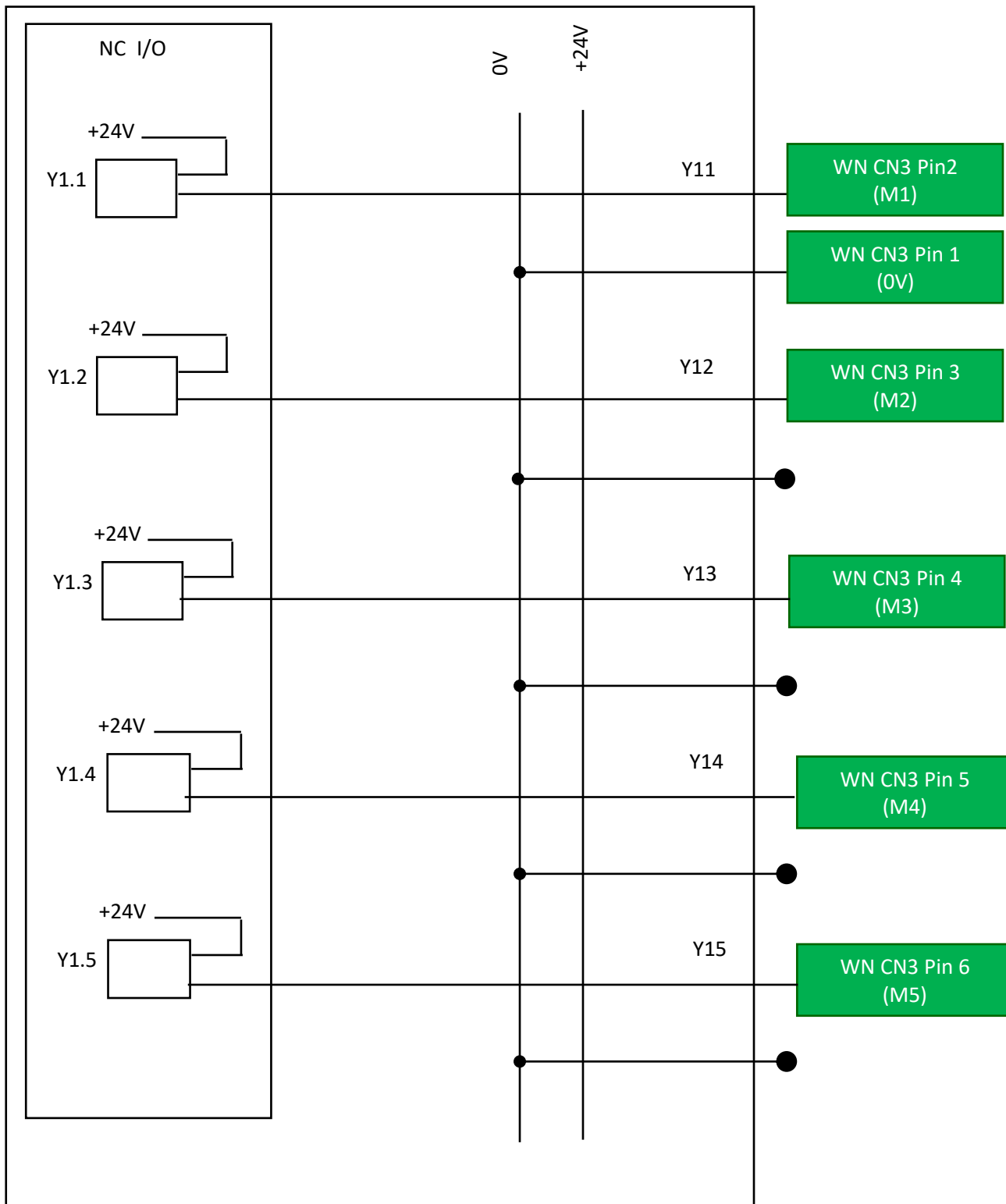I/O module

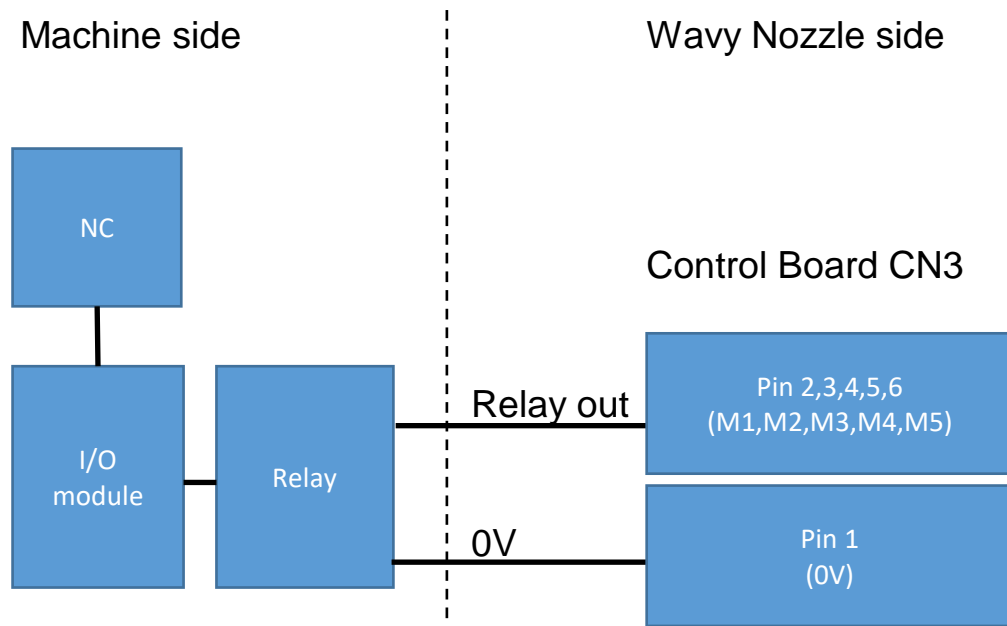Signal → Pin 2,3,4,5,6 (M1,M2,M3,M4,M5)

0V → Pin 1 (0V)
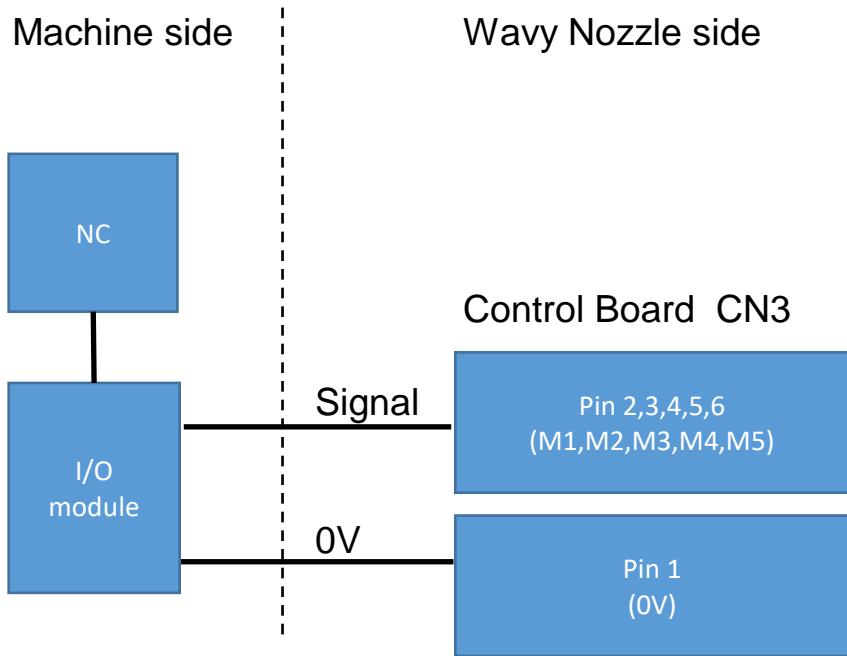
Signal :    +24V/0V output of signal terminal that can be controlled by M-Code

This connection can be used when there are some remainder of output terminal of I/O module, and these output terminal can be controlled by M-code.

Actual Example 1-1

NC  I/O

0V

+24V

+24V
Y1.1                                   Y11    WN CN3 Pin2 (M1)

WN CN3 Pin 1 (0V)

+24V
Y1.2                                   Y12    WN CN3 Pin 3 (M2)

+24V
Y1.3                                   Y13    WN CN3 Pin 4 (M3)

+24V
Y1.4                                   Y14    WN CN3 Pin 5 (M4)

+24V
Y1.5                                   Y15    WN CN3 Pin 6 (M5)

Example2

Machine side | Wavy Nozzle side

NC

Control Board CN3

I/O module — Relay — Relay out — Pin 2,3,4,5,6 (M1,M2,M3,M4,M5)

0V — Pin 1 (0V)

Relay ou Relay output signal that can be turned ON or OFF by M-code.
Connect that +24V is output when the relay is turned ON.
In this case, there is no problem that output signal of M1 to M5 become +24V or OPEN (not 0V).

This connection can be used when there are some remainder of OIL-BLOW control signal or

Actual Example 1-2

Relay Board

+24V  0V

Relay1 — Y11 — WN CN3 Pin 2 (M1)

Relay2 — Y12 — WN CN3 Pin 3 (M2)

Relay3 — Y13 — WN CN3 Pin 4 (M3)

Relay4 — Y14 — WN CN3 Pin 5 (M4)

Relay5 — Y15 — WN CN3 Pin 6 (M5)

WN CN3 Pin 1 (0V)