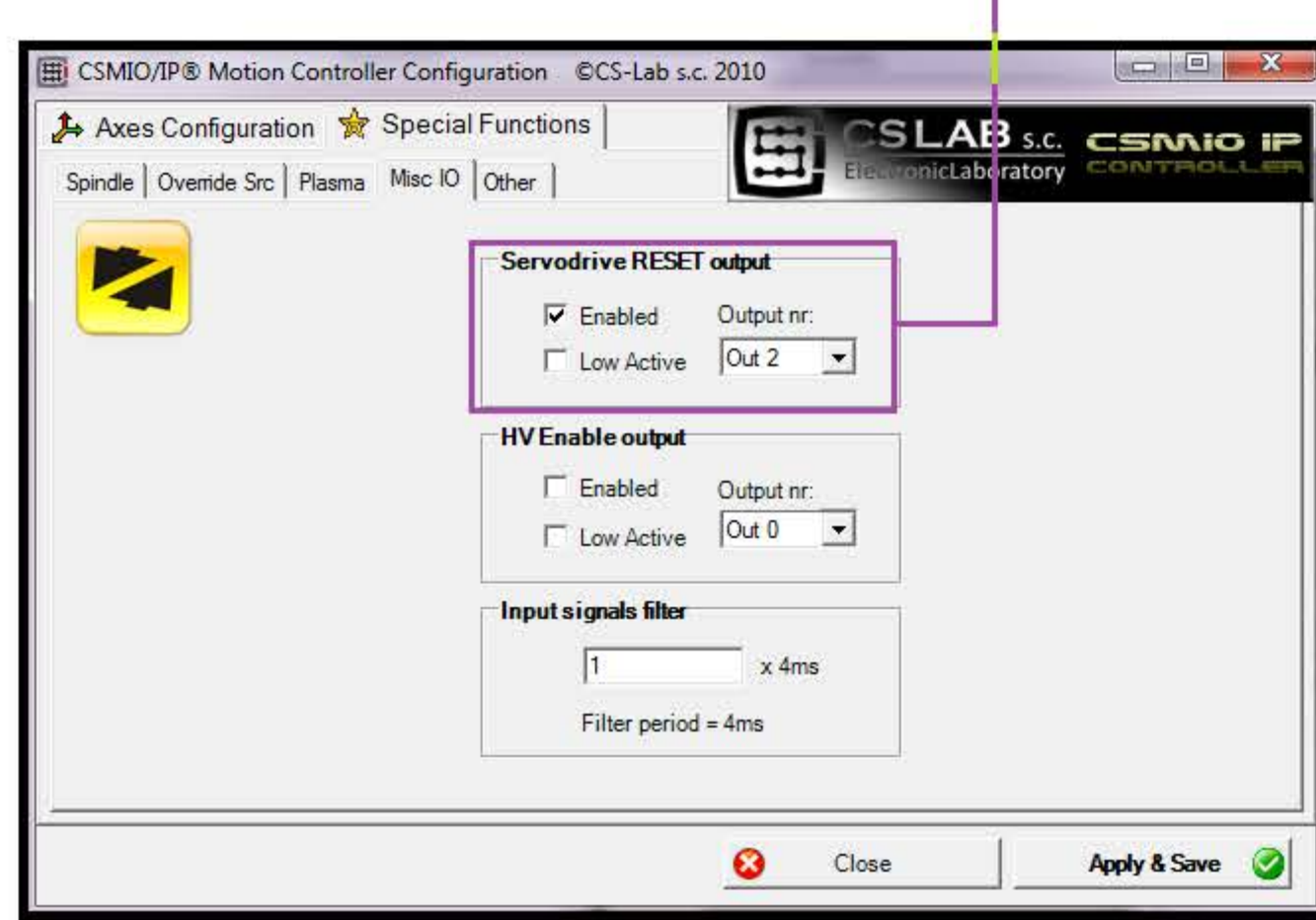


Engine Configuration... Ports & Pins

| Signal | Enabled | Port # | Pin Number | Active Low | Emulated | Hotkey |
|------------|-------------------------------------|--------|------------|-------------------------------------|-------------------------------------|--------|
| Input #3 | <input checked="" type="checkbox"/> | 1 | 0 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0 |
| Input #4 | <input checked="" type="checkbox"/> | 1 | 0 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0 |
| Probe | <input checked="" type="checkbox"/> | 0 | 0 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0 |
| Index | <input checked="" type="checkbox"/> | 0 | 0 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0 |
| Limit Over | <input checked="" type="checkbox"/> | 0 | 0 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0 |
| Estop | <input checked="" type="checkbox"/> | 10 | 0 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0 |
| THC On | <input checked="" type="checkbox"/> | 0 | 0 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0 |
| THC Up | <input checked="" type="checkbox"/> | 0 | 0 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0 |
| THC Down | <input checked="" type="checkbox"/> | 0 | 0 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 0 |

Pin 10-12 and 15 are inputs. Only these 5 pin numbers may be used on the screen.



Engine Configuration... Ports & Pins

| Signal | Enabled | Port # | Pin Number | Active Low |
|------------|-------------------------------------|--------|------------|-------------------------------------|
| Digit Trip | <input checked="" type="checkbox"/> | 1 | 0 | <input checked="" type="checkbox"/> |
| Enable2 | <input checked="" type="checkbox"/> | 1 | 0 | <input checked="" type="checkbox"/> |
| Enable3 | <input checked="" type="checkbox"/> | 1 | 0 | <input checked="" type="checkbox"/> |
| Enable4 | <input checked="" type="checkbox"/> | 1 | 0 | <input checked="" type="checkbox"/> |
| Enable5 | <input checked="" type="checkbox"/> | 1 | 0 | <input checked="" type="checkbox"/> |
| Enable6 | <input checked="" type="checkbox"/> | 1 | 0 | <input checked="" type="checkbox"/> |
| Output #1 | <input checked="" type="checkbox"/> | 1 | 1 | <input checked="" type="checkbox"/> |
| Output #2 | <input checked="" type="checkbox"/> | 1 | 1 | <input checked="" type="checkbox"/> |
| Output #3 | <input checked="" type="checkbox"/> | 1 | 1 | <input checked="" type="checkbox"/> |

Pin 2, 9, 1, 14, 16, and 17 are output pins. No other pin numbers should be used.

CSMIO/IP-A

Encoder inputs connector (0 / 1 / 2)

| Pin number | Description |
|------------|-------------|
| 1 | Enc. CH0 A+ |
| 2 | Enc. CH0 B+ |
| 3 | Enc. CH0+ |
| 4 | +5V |
| 5 | Enc. CH1 A+ |
| 6 | Enc. CH1 B+ |
| 7 | Enc. CH1+ |
| 8 | +5V |
| 9 | Enc. CH2 A+ |
| 10 | Enc. CH2 B+ |
| 11 | Enc. CH2+ |
| 12 | +5V |
| 13 | GND |
| 14 | Enc. CH0 A- |
| 15 | Enc. CH0 B- |
| 16 | Enc. CH0- |
| 17 | GND |
| 18 | Enc. CH1 A- |
| 19 | Enc. CH1 B- |
| 20 | Enc. CH1- |
| 21 | GND |
| 22 | Enc. CH2 A- |
| 23 | Enc. CH2 B- |
| 24 | Enc. CH2- |
| 25 | GND |

Digital inputs connector (0-11)

| Pin number | Description |
|------------|----------------|
| 1 | Input 0 (+) |
| 2 | Input 1 (+) |
| 3 | Input 2 (+) |
| 4 | Input 3 (+) |
| 5 | Input 4 (+) |
| 6 | Input 5 (+) |
| 7 | Input 6 (+) |
| 8 | Input 7 (+) |
| 9 | Input 8 (+) |
| 10 | Input 9 (+) |
| 11 | Input 10 (+) |
| 12 | Input 11 (+) |
| 13 | Not used (GND) |
| 14 | Input 0 (-) |
| 15 | Input 1 (-) |
| 16 | Input 2 (-) |
| 17 | Input 3 (-) |
| 18 | Input 4 (-) |
| 19 | Input 5 (-) |
| 20 | Input 6 (-) |
| 21 | Input 7 (-) |
| 22 | Input 8 (-) |
| 23 | Input 9 (-) |
| 24 | Input 10 (-) |
| 25 | Input 11 (-) |

Digital outputs connector (0-15)

| Pin number | Details |
|------------|------------------------------------|
| 1 | 24V power supply for 0-3 outputs |
| 2 | Output 0 |
| 3 | Output 1 |
| 4 | 24V power supply for 4-7 outputs |
| 5 | Output 4 |
| 6 | Output 6 |
| 7 | 24V power supply for 8-11 outputs |
| 8 | Output 8 |
| 9 | Output 10 |
| 10 | 24V power supply for 12-15 outputs |
| 11 | Output 12 |
| 12 | Output 14 |
| 13 | GND (not in use) |
| 14 | Power supply 0V for 0-3 outputs |
| 15 | Output 1 |
| 16 | Output 3 |
| 17 | Power supply 0V for 4-7 outputs |
| 18 | Output 5 |
| 19 | Output 7 |
| 20 | Power supply 0V for 8-11 outputs |
| 21 | Output 9 |
| 22 | Output 11 |
| 23 | Power supply 0V for 12-15 outputs |
| 24 | Output 13 |
| 25 | Output 15 |

Analog inputs/outputs connector

| Pin number | Description |
|------------|---------------------------|
| 1 | Analog output CH0 (V/30V) |
| 2 | Analog output CH1 (V/30V) |
| 3 | Analog output CH2 (V/30V) |
| 4 | Analog output CH3 (V/30V) |
| 5 | Analog output CH4 (V/30V) |
| 6 | Analog output CH5 (V/30V) |
| 7 | Analog output 0 (0-30V) |
| 8 | Analog output 1 (0-30V) |
| 9 | Analog input 0 |
| 10 | Analog input 1 |
| 11 | Analog input 2 |
| 12 | Analog input 3 |
| 13 | 10V (max. 50mA) |
| 14 | GNDCH0 |
| 15 | GNDCH1 |
| 16 | GNDCH2 |
| 17 | GNDCH3 |
| 18 | GNDCH4 |
| 19 | GNDCH5 |
| 20 | GND |
| 21 | GND |
| 22 | GND |
| 23 | GND |
| 24 | GND |
| 25 | GND |

Power connector

| Pin number | Description |
|------------|---------------|
| 1 | Power -24V DC |
| 2 | GND |
| 3 | ground |

