

ACS – Features

ETHERNET (OPTION)

Protocols:

- EtherNet/IP
- Modbus TCP

DUAL PURPOSE HEAT SINK

- Removes heat from drive for optimal performance
- Panel mounting

DIGITAL I/O

- 8 Digital Inputs
- 4 Digital Outputs
- 24 VDC Opto-Isolated
- Sourcing or Sinking
- Configurable Inputs

FEEDBACK
For Digital Encoder

MOTOR POWER

Servo Drive	Stepper Drive
• 10-60VDC Servo Motors	• 10-52 VDC Stepper Motors
• 10 A Continuous / 20 A Peak	

BRAKE OUTPUT
Active high/low

LED INDICATORS
Motor Power & Fault indicators

COM PORT
USB Com Port

RS485 COM PORT
Modbus RTU (Base Model)

ACS POWER

Servo Drive	Stepper Drive
• 10-60VDC	• 10-52 VDC
	• 10 - 52 VDC Keep-alive Power
	• 24 VDC Brake Power

EASY TO USE CONFIGURATION SOFTWARE

• Windows® compliant

Digital I/O

Inputs:

- Enable
- Start Motion
- Home
- E-Stop
- Move Select 1 (MS1)
- Move Select 2 (MS2)
- Move Select 3 (MS3)
- Move Select 4 (MS4)

Outputs:

- Motion Complete
- Home Complete
- Fault
- Zone

Motion Manager

Controls:

- Disable
- Enabled
- Home
- Homed
- Motion Complete

Motion Profile:

- Position: 4.685 in
- Velocity: 1.00 in/sec
- Accel: 100.0 in/sec²
- Decel: 100.0 in/sec²
- Force: 100.0 %

Jog: << Jog Neg, Jog Pos >>

Absolute Move: Position 1.000 in, Move

Incremental Move: Distance 0.500 in, < Incr Neg, Incr Pos >

Drive Status

Drive Status	Safety Faults	Critical Faults
• Enabled	• Positive Limit Switch	• Feedback Error
• Homed	• Negative Limit Switch	• Over Current
• Motion Complete	• Software Stop	• Motor Over Temp
• Software Stop	• Position Error	• Drive Over Temp
• Host in control		• Drive Over Voltage
		• Drive Under Voltage

Move Definitions Table:

Label	Move Type	Position (in)	Velocity (in/sec)	Accel (in/sec ²)	Decel (in/sec ²)	Force %
1 MOVE1	Absolute	1.000	1.00	100.0	100.0	100.0
2 MOVE2	Absolute	2.000	2.00	90.0	90.0	90.0
3 MOVE3	Absolute	3.000	3.00	80.0	80.0	80.0
4 MOVE4	Absolute	4.000	4.00	70.0	70.0	70.0
5	IncrPos	0.250	1.00	100.0	100.0	100.0
6	IncrPos	0.500	1.00	100.0	100.0	100.0
7	IncrNeg	0.250	1.00	100.0	100.0	100.0
8	IncrNeg	0.500	1.00	100.0	100.0	100.0
9 FASTJOGPOS	JogPos	0.000	4.00	100.0	100.0	100.0
10 SLOWJOGPOS	JogPos	0.000	1.00	100.0	100.0	100.0
11 FASTJOGNEG	JogNeg	0.000	4.00	100.0	100.0	100.0
12 SLOWJOGNEG	JogNeg	0.000	1.00	100.0	100.0	100.0
13	Absolute	1.500	1.00	110.0	110.0	70.0
14	Absolute	2.500	2.00	120.0	120.0	90.0
15	Absolute	3.500	3.00	130.0	130.0	80.0
16	Absolute	4.500	4.00	140.0	140.0	70.0

US | Connected: 38400 baud | Current position: 4.685