

Models & Options

Model Table

Model	Input Voltage @ 50 - 60Hz	Pickup or Encoder Required?
ASP40-420	85-250VAC	Yes

Available Options

Option Suffix	Description	Example
-1	Expansion board which adds support for remote push button wiring via a European-style terminal block.	ASP40-420-1
-P	Optional pluggable European-style terminal block	ASP40-420-P
-9	Blank Lexan	ASP40-420-9

Recommended Accessories

Model	Description	Pulses Per Revolution	PPM Output Range
PU-2E	Hall Effect, Single Channel	1	0 – 20,000 ^{note 1}
PU-4E	Hall Effect, Single Channel	2	0 – 40,000 ^{note 1}
PU-20E	Hall Effect, Single Channel	10	0 – 200,000 ^{note 1}
PU-40E	Hall Effect, Single Channel	20	0 – 400,000 ^{note 1}
CF-60	Hall Effect, Single Channel	60	0 – 600,000 ^{note 2}

NOTES:

- 1 – 20,000 RPM maximum rotational velocity
 2 – When used with the ASP40

Agency Approvals

ASP40-420	cULus Pending
-----------------	---------------

Specifications

Electrical

Line Input Voltage.....	Any Voltage from 85-250VAC
Line Input Frequency.....	Any Frequency from 48-62 Hertz
Signal Input Voltage Range.....	5VDC to 24VDC (square wave, referenced to P1-6 COMMON)
Speed Pickup Input Frequency Range (S1 and S2 Inputs).....	0 – 600,000 Pulses per Minute @ 5V square wave
Display Range.....	0.001 – 9,999
Units of Operation (“Engineering Units”).....	User Programmable, any Units
Sensor / Pickup Power Supply.....	5V @ 50mA
ASP40 Isolated Alarm Relay Output Rating.....	250VAC @ 5A
OPT420 Isolated Alarm Relay Output Rating.....	50VAC @ 1A
Voltage Difference between PotLo and PotHi Inputs.....	2VDC to 24VDC
Pot Wiper Output voltage range.....	PotLo +50mVDC to PotHi – 50mVDC

Mechanical

Display TypeLED, Red, 4 Digit, ½" Height
 Housing Type ASP40-420 (with supplied gasket).....NEMA 4X
 Connector Style (pluggable connector optional) 12-position 5mm European Style
 Terminal Block Torque Setting4.4 in. lb. Max (.5Nm)
 Faceplate Material..... Polycarbonate with Polycarbonate Overlay
 Housing MaterialAluminum
 Length ASP40-420 (Required Panel Depth) 4.625" (117.48mm)
 Faceplate Width 4.539" (115.29mm)
 Weight ASP40-42015.30 oz. (433.86g)

Environmental

Operating Temperature Range-----10C to 45C (15F to 115F)
 Operating Humidity Range (max.)----- 95%, non-condensing

Dimension Chart

<i>Model</i>	<i>Width</i>	<i>Height</i>	<i>Depth</i>
ASP40-420 English (inches)			
Housing	3.62	1.66	4.625
Lens	4.539	2.289	0.375
ASP40-420 Metric (millimeters)			
Housing	91.94	42.16	117.27
Lens	115.28	58.14	9.53