

ARTISAN®
TECHNOLOGY GROUP

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Artisan Technology Group
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so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
- Leasing / Rentals / Demos
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Specifications

Input Power

105-132 VAC single phase, 50/60 Hz
S6961: 500 VA Max @ 6 amp setting
S6962: 500 VA max @ 6 amp setting

Motor Output

Current	0.1 to 6 amp in 0.1 amp increments
Voltage	160 VDC motor bus voltage

Motor Compatibility

Type	2 phase, hybrid permanent magnet, 1.8° full step
Inductance	2 mH to 60 mH per phase

Motion

Position Range	±2,147,483,647 steps; absolute position and incremental
Velocity Range	0 to 50 rev/sec (0-3000 rpm)
OPTO Compatible I/O	8 positions support OPTO-22 (G4) digital, Grayhill (G5) analog and temperature modules

Inputs

8 programmable, End-of-Travel Limits, Home	24 VDC max, optically isolated internally pulled up to 12 VDC. Disconnect jumper to 12 VDC supply, & connect pull up to +24 VDC to make I/O 24 VDC
Incremental Encoder	Optically isolated, differential 5 VDC, 2 mHz max (post-quadrature); 5 VDC, 200 mA available total to power encoder

Outputs

8 Programmable	Open collector, 24 VDC max, optically isolated, internally pulled up to 12 VDC, sink current of 100 mA max. Disconnect jumper to 12 VDC supply, and connect pull up to +24 VDC to make I/O 24 VDC
Amplifier	Same amplifier specs as the S6002; see page G-21 for more information.

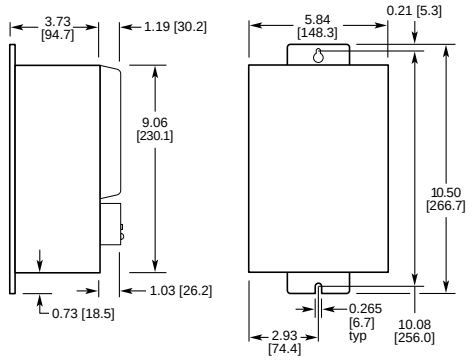
Environmental

Operating Temperature	Thermal shutdown occurs if heatsink temperature exceeds 65°C
Humidity	0% to 90% non-condensing

Mounting Dimensions

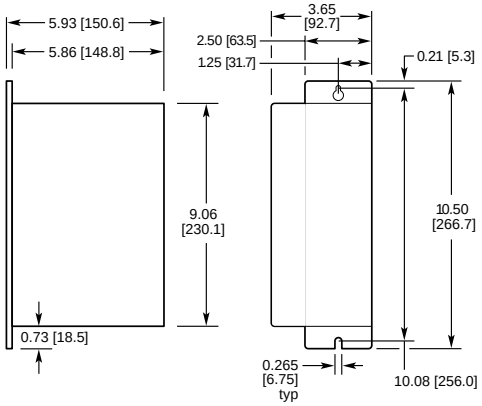
(S6961 and S6962)

Minimum Depth Mounting in [mm]

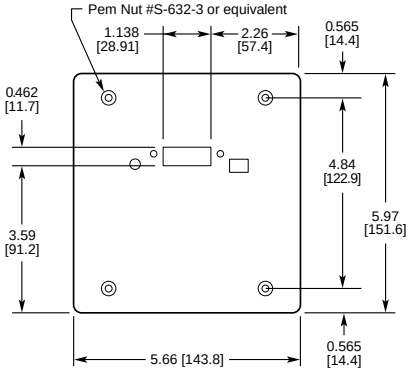


Minimum Width Mounting in [mm]

(Front panel and opto modules removed)

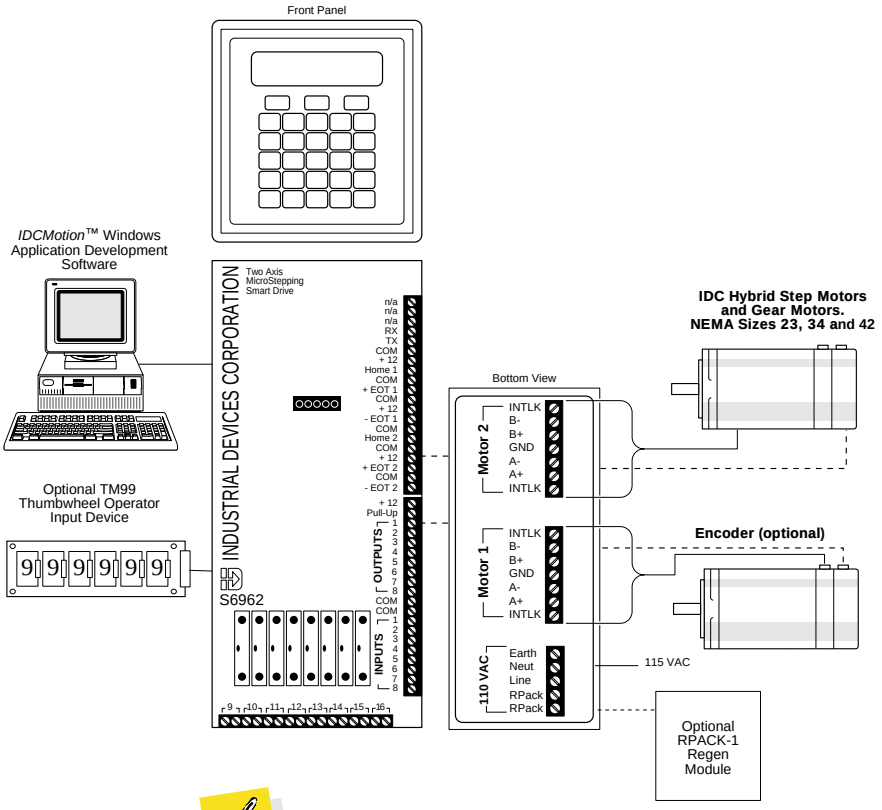


Remote Mounting Front Panel (Rear View) in [mm]



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Operation



How To Order

Model	Description
S6961	1-axis unit, with front panel
S6962	2-axis unit, with front panel
S6961NP	1-axis unit, no front panel
S6962NP	2-axis unit, no front panel

Code — I/O Module Description

Position 1 2 3 4 5 6 7 8	
A	DC/AC In, 10-32 VDC, 12-32 VAC
B	DC In, TTL
C	DC In, 35-60 VDC
D	AC In, 90-140 VAC
E	AC In, 180-240 VAC
F	DC Out, 5-60 VDC, 3 Amps
G	AC Out, 12-140 VAC, 3 Amps
H	AC Out, 24-280 VAC, 3 Amps
I	Input test switch
J	Analog In, 0-10 VDC
K	Analog In, 4-20 mA
L	Analog Out, 0-10 VDC
M	Analog Out, 4-20 mA
N	J Thermocouple In, 0-700°C
O	K Thermocouple In, -100-924°C
P	RTD In, 100 Ohm
X	Empty

Option — Description

-FK1	Fan Kit When exceeding 6 amps total current setting (sum of axis 1 and axis 2 current setting). See page G-37.
-30K	30K user program memory

Accessories

TM99	Thumbwheel input module. See page G-46.
RPACK-1, 115 VAC Operation	External regenerative power dissipation module. See page G-43.

To confirm your selection, review the checklist on page G-6.

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