

- INNOVATIVE
- RESPONSIVE
- FIELD-PROVEN
- WORLD CLASS

Keep your world moving
with rapid design and
quality manufacturing of
motion control systems
that solve your
toughest challenges








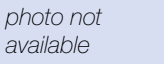


INNOVATIVE SOLUTIONS FOR A WORLD IN MOTION

2020/2021 COMMERCIAL PRICE LIST

Control Solutions LLC
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Aurora, IL 60502
Phone: 630.806.7062
Fax: 630.806.7065
www.controls.com















CONTROL
SOLUTIONS™

Commercial Products from Control Solutions LLC		
1. Motor Controllers		
Part Number	Item Name	List Price
 CS1108X PROGRAMMABLE MOTOR CONTROLLER The CS1108 is a commercial industrial-grade DC motor controller with programmable PWM functionality. Designed to operate a 12v-24 VDC motor. This small form-factor controller can be embedded in many OEM products and can be used in a wide variety of applications and is programmable for different acceleration profiles.		Call For Pricing
 CS3208X DC MOTOR CONTROLLER The CS3208 is a hardened industrial-grade DC motor controller with programmable PWM functionality. Designed to operate a 24 VDC motor. This motor control can be used in a wide variety of applications and is programmable for different acceleration profiles.		\$6,995
 CS3308X DC MOTOR CONTROLLER The CS3308 LVSR is a programmable, hardened industrial-grade DC PWM motor controller that incorporates a long neck break-away connector for 24V power. This motor control can be used in a wide variety of applications and is programmable for different acceleration profiles.		\$6,995
 CS3248X PROGRAMMABLE DC MOTOR CONTROLLER The CS3248 is the 2nd-generation motor controller from the CS3208 family and is equally applicable for usages in industrial and commercial usages where robust motion control is required.		\$6,395
 CS1107X PROGRAMMABLE MOTOR CONTROLLER The CS1107 is a different form factor for the CS1108 PWM controller for DC motor applications and can be reprogrammed in firmware for a wide variety of industrial applications.		\$289
 CS3217X DC MOTOR CONTROLLER The CS3217 is a modified CS3208 controller where the software profile has been preset by the CSLLC engineers. It can be reprogrammed in firmware for a wide variety of industrial applications.		\$7,099
 CS3225X DC MOTOR CONTROLLER (SLIM-FIT) The CS3225 is the DC-powered motor controller originally designed to fit within the cavity of a vehicle door (slim form factor) using programmable PWM technology. This controller has a built-in battery charger with onboard battery level status indicator.		\$4,295
 CS3226X DC MOTOR CONTROLLER The CS3226 is a modified CS3248 DC-powered motor controller designed to fit within a small cavity and can be surface-mounted while retaining access to all connections.		\$4,800
 CS3266 <i>photo not available</i> DC MOTOR CONTROLLER Command Center control box.		\$3755
2. User Interface Controls		
 ASM000351X EMERGENCY SWITCH The ASM000351x is a push-pull switch that is a waterproof assembly useable as an emergency stop switch for harsh environments. The emergency stop switch can be placed virtually anywhere on your custom application to provide easy access.		\$929
 ASM000355X DOOR-MOUNTED TOGGLE SWITCH Hermetically-sealed enclosure. This is a four-switch assembly consisting of two SPDT toggle switches with momentary contact plus two SPST toggle switches. It can be used for a wide variety of commercial applications. The assembly terminates in Amphenol connectors for wiring to other ruggedized systems.		\$899

Specifications and pricing subject to change without notice.




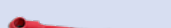
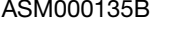


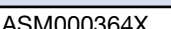


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CS2150X 	VEHICLE POWER MODULE FOR AUXILIARY DEVICES The CS2150 is a microprocessor-based power distribution module capable of providing multiple power outlets from a common 24V battery power source. Each output is switch-controlled. Outputs are provided for 24V, 12V, and 5V USB.	\$ 3,729
CS3209X 	JOYSTICK ACTUATOR The CS3209 is a single-axis joystick (left-right or up-down motion) that has been developed for industrial and commercial applications in tough environments and harsh conditions	\$2,195
CS3218X 	JOYSTICK ACTUATOR AND CONTROL The CS3218 is a rugged small form-factor two direction joystick controller that can be used in conjunction with a CS motor controller in rugged environments.	\$8500
CS3210X 	HEAVY-DUTY THUMB-DRIVEN WATERPROOF ACTUATOR Heavy-duty thumb-driven waterproof actuator that can be mounted to industrial equipment to vary the speed of motor control modules. Requires the use of ASM001175A cable assembly	\$1,249
CS3267 <i>photo not available</i>	JOYSTICK-SWITCH ACTUATOR The CS3267 Joystick is used with the CS3266 Command Center Controller	\$2237
CS3310X 	HEAVY-DUTY FINGERTIP TOGGLE ACTUATOR Heavy-duty fingertip toggle actuator with variable-output that controls CSLLC motor control modules. Can be mounted to commercial or industrial equipment for easy manipulation.	\$1,429
CS3320X 	INDUSTRIAL CONTROL ACTUATOR Industrial control actuator with mounting bracket. Fingertip toggle actuator with built-in cable connects to motor control modules to vary fwd/rev speeds.	\$1,449
CS3330X 	HEAVY-DUTY FINGERTIP TOGGLE ACTUATOR Industrial fingertip toggle actuator for forward-reverse motor controllers. Provides variable-output that controls CSLLC motor control modules. Comes complete with hook & loop mounting for commercial or industrial equipment.	\$1,429
3. Battery Chargers & Batteries		
CS4102X 	BATTERY ASSEMBLY The CS4102 is a 24V 3Ah NiMh rechargeable battery pack designed for heavy duty applications. The CS4102 is capable of a peak current drain of 50 amps. The NiMh batteries are designed for long service life and have an expected lifetime of 500 cycles.	\$1,175
CS1204X 	BATTERY CHARGER The CS1204 charger is a commercial/industrial market charger for 12V battery banks. This charger is also available in a UL-certified version.	\$349
4. Cables and Other		
ASM000560X 	SAFETY STRIP SENSOR The ASM000560 sensor strip is a six-section assembly used to stop the motor controller from pinching body parts in vehicle door frames. The 560 is designed for the left-hand doors of industrial and military vehicles.	\$1,900
ASM000561X 	SAFETY STRIP SENSOR The ASM000561 sensor strip is a six-section assembly used to stop the motor controller from pinching body parts in vehicle door frames. The 561 is designed for the right-hand doors of industrial and military vehicles.	\$1,900
ASM000540X 	RUGGED POWER CABLE The ASM000540 cable is a industrial grade assembly used to connect the CS motor controller to various operator interfaces. This cable can be adapted with different vehicle power terminations.	\$425

Specifications and pricing subject to change without notice.



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4. Cables and Other (continued)

ASM000130X 	VEHICLE POWER CABLE ASSEMBLY The ASM000130 cable is an industrial grade assembly used to connect the motor controller from the vehicle power bus to the fuse. This cable can be adapted with different vehicle power terminations	\$69
ASM000125X 	BATTERY POWER CABLE ASSEMBLY The ASM000125 cable is an industrial grade assembly used to connect the auxiliary batteries to the fuse negative terminal. This cable can be adapted with different vehicle power terminations.	\$34
ASM000216X 	VEHICLE POWER CABLE ASSEMBLY The ASM000216 cable is an industrial grade assembly designed for the breakaway connection to the motor controller. The breakaway connector is a standard 2-wire battery connector commonly used for forklift truck batteries.	\$299
ASM000131X 	VEHICLE POWER CABLE ASSEMBLY The ASM000131 cable is an industrial grade assembly used to connect the auxiliary batteries to the fuse positive terminal. This cable can be adapted with different vehicle power terminations.	\$59
ASM000135B 	VEHICLE POWER CABLE ASSEMBLY The ASM000135B is a 24 volt DC power cable with 2 #6AWG conductors in heat shrink tubing terminating in Amphenol 2-pin connector Mil-C-5015	\$448
ASM000363X 	POWER-CONTROL CABLE The ASM000363 is an industrial grade insulated cable provides power to motor controller assembly. This cable is 59" long with 8 conductors.	\$410
ASM000364X 	POWER-CONTROL CABLE The ASM000364 is an industrial grade insulated cable provides power to motor controller assembly. This cable is 123" long with 8 conductors.	\$520
ASM000414X 	POWER-CONTROL CABLE The ASM000414 is an industrial grade insulated battery cable provides power to motor controller assembly. This cable is 23" long with 2 conductors.	\$220
ASM001175X 	JOYSTICK/THUMB CABLE The ASM001175 is an industrial grade insulated connection cable that provides a connection between motor controller and joystick or thumb drive. This cable is 57" long with 3 conductors.	\$425
CS2144-ASM 	TRAVERSE POWER CIRCUIT BREAKER The CS2144-ASM is an industrial grade 60 Amp DC automatic reset circuit breaker.	\$3,900
CS002861X <i>photo not available</i>	JOYSTICK MOUNTING BRACKET The CS002861 is an industrial grade mounting bracket for CS3218 joystick.	\$34
002861B <i>photo not available</i>	Mounting Bracket, ASV Turret Joystick Box	\$73.41
002963A <i>photo not available</i>	Rubber Pad, 2.38" x 1.5", ASV Circuit Box	\$2.85

Specifications and pricing subject to change without notice.

5. Medical Product Line

	ELECTRIC MUSCLE STIMULATOR The CS6101 is a clinical-grade portable electrical muscle stimulator using the interferential protocol. This product requires a doctor's prescription per FDA 510(k) clearance.	Call For Pricing
	ELECTRIC MUSCLE STIMULATOR The CS6102 is a clinical-grade portable electrical muscle stimulator using the high voltage galvanic protocol. This product requires a doctor's prescription per FDA 510(k) clearance.	Call For Pricing

All NSN numbers listed below are available commercially for purchase.
Please call: 630 806-7062 Ext. 206

NSN's for Cage Code = 4B8D1












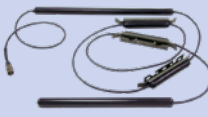
Part Number	Item Name	NSN
CS3209B	JOYSTICK,DATA ENTRY	1290015524497
CS3208B	CONTROLLER,MOTOR	6110015524505
ASM000135	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015600229
ASM000135B	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015600229
ASM000134	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015600238
ASM001175A	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015600238
ASM000127	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015600249
ASM000127B	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015600249
ASM000130	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015600255
ASM000130B	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015600255
ASM000125	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015600279
ASM000131	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015600284
ASM000131B	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015600284
ASM000216	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015600297
CS3217	CONTROL,INFRARED SET	5855015609102
CS3217A	CONTROL,INFRARED SET	5855015609102
ASM000355A	SWITCH,ELECTRONIC	5930015684441
ASM000355E	SWITCH,ELECTRONIC	5930015684441
ASM000364A	CABLE,POWER,ELECTRICAL	6145015684442
ASM000364B	CABLE,POWER,ELECTRICAL	6145015684442
CS3225	CONTROL BOX,ELECTRICAL/ELECTRONI	2540015684448
CSI-CS3225	CONTROL BOX,ELECTRICAL/ELECTRONI	2540015684448
CSI-CS4102	BATTERY ASSEMBLY	6140015696570
ASM000363A	CABLE ASSEMBLY,CONTROL	2590015707232
ASM000363D	CABLE ASSEMBLY,CONTROL	2590015707232
CSI-CS3241	DOOR,VEHICULAR	2510015730461
CSI-CS3240	DOOR,VEHICULAR	2510015730464
CS3218	JOYSTICK CONTROL	5999015738843
12504382	KIT,CAPACITOR REPLACEMENT	5910015745562
ASM000540C	ASV CABLE ASSEMBLY	-
ASM000560A	SENSOR,CURRENT	6625015749838
ASM000560C	SENSOR,CURRENT (duplicate NSN?)	6625015749838
ASM000561A	SAFETY STRIP SENSOR	2590015749859
ASM000561C	SAFETY STRIP SENSOR	2590015749859
ASM000351D	SWITCH,PUSH-PULL	5930015750786
CSI-ASM000351A	SWITCH,PUSH-PULL	5930015750786
AMS000414A	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015873182
AMS000414B	CABLE ASSEMBLY,SPECIAL PURPOSE	6150015873182
CS3248	CONTROLLER,MOTOR	6110015928676
CS3249	CONTROLLER,MOTOR	-
CS3226	CONTROLLER,MOTOR	-

Specifications and pricing subject to change without notice.

**PDS components listed below are available commercially for purchase.
Pricing depends on vehicle and/or customer requirements.**

Please call for a quote on your specific application: 630 806-7062 Ext. 206

Power Door System CS3412

CS3404 Left Door			CS3405 Right Door		
	Part No.	Description		Part No.	Description
	CS3404	Power Door System – Left		CS3405	Power Door System – Right
	CS3225-1	In Door Controller		CS3225-1	In Door Controller
	ASM001553	Hydraulics Assembly		ASM001552	Hydraulics Assembly
	CS4102	Battery		CS4102	Battery
	ASM000994	E-Stop Switch Assembly		ASM000994	E-Stop Switch Assembly
 <i>5 segment shown</i>	ASM001286	Safety Strip Sensor Assembly	 <i>5 segment shown</i>	ASM001286	Safety Strip Sensor Assembly
No Photo	CS3410	Hardware Kit	No Photo	CS3410	Hardware Kit

Specifications and pricing subject to change without notice.

The majority of our products are sold through OEMs who integrate our products into other systems. Some of our products are commercially-available and can be referenced by reviewing the table listed below. Please contact us about your motion control application. Call: 630 806-7062 Ext. 206

Part Number	Photo	Description	Price
CS3209A-1		JOYSTICK ACTUATOR The CS3209A-1 is a single-axis joystick (left-right or up-down motion) that has been developed for industrial, military and commercial applications in tough environments and harsh conditions.	\$2195
CS3209B-1		JOYSTICK ACTUATOR The CS3209B-1 is a single-axis joystick (left-right or up-down motion) that has been developed for industrial, military and commercial applications in tough environments and harsh conditions.	\$2195
CS3248C-1		ITDS: PROGRAMMABLE DC MOTOR CONTROLLER The CS3248C-1 is the 2nd generation motor controller. Field-proven solution for safety and accurately controlling the movement of heavily armored vehicle turrets.	\$6395
CS3248D-1		ITDS: PROGRAMMABLE DC MOTOR CONTROLLER The CS3248D-1 is the 2nd generation motor controller. Field-proven solution for safety and accurately controlling the movement of heavily armored vehicle turrets.	\$6395
CS3249-1		LRAS: LOW PROFILE DC MOTOR CONTROLLER The CS3249-1 has input/output and power ports that are located on the side of controller as opposed to the top. The top has special standoff mounting plate.	\$6895
CS3249G-1		LRAS: LOW PROFILE DC MOTOR CONTROLLER The CS3249G-1 has input/output and power ports that are located on the side of controller as opposed to the top. The top has special standoff mounting plate.	\$6895
ASM000131B-1		VEHICLE POWER CABLE ASSEMBLY The ASM000131B-1 cable is an industrial grade assembly used to connect the auxiliary batteries to the fuse positive terminal. This cable can be adapted with different vehicle power terminations.	\$59
ASM001175A-1		JOYSTICK/THUMB CABLE The ASM001175A-1 is an industrial grade insulated connection cable that provides a connection between motor controller and joystick or thumb drive. This cable is 57" long with 3 conductors.	\$425
ASM000135B-1		VEHICLE POWER CABLE ASSEMBLY The ASM000135B-1 is a 24 volt DC power cable with 2 #6AWG conductors in heat shrink tubing terminating in Amphenol 2-pin connector Mil-C-5015.	\$448
ASM000125B-1		BATTERY POWER CABLE ASSEMBLY The ASM000125B-1 cable is an industrial grade assembly used to connect the auxiliary batteries to the fuse negative terminal. This cable can be adapted with different vehicle power terminations.	\$34
ASM000130B-1		VEHICLE POWER CABLE ASSEMBLY The ASM000130B-1 cable is an industrial grade assembly used to connect the motor controller from the vehicle power bus to the fuse. This cable can be adapted with different vehicle power terminations.	\$69
ASM000127B-1		CABLE ASSEMBLY The ASM000127B-1 breakaway cable to vehicle BUS cable assembly.	Call For Pricing
ASM000216A-1			\$299

Specifications and pricing subject to change without notice.



Control Solutions LLC corporate headquarters and manufacturing located in the western suburbs of Chicago, Illinois

This is our commercial price list for our products. As such, list prices are effective as of 1/29/2020 and are subject to change without notice. Prices do not include applicable taxes, shipping & handling. To check the most accurate and latest list price, please contact us. If you send us a written Purchase Order based on this price list, we will respond with a firm fixed-price quotation. Each quotation will have a stated “valid until” date range. Additionally, stairstep quantity discount pricing is available for all of our products. Please contact us at:

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