

PLATINUM SERIES PERFORMANCE CONTROLS

*For use on military, government, work boats & cruisers
(electric, mechanical or hybrid)*



FEATURES

- Custom laser capabilities
- Ergonomically designed knobs for long hours of comfortable operation
- In-handle single or dual trim switch available
- Adjustable detent and friction
- Billet aluminum construction makes these controls tough yet lightweight
- Corrosion resistant - two layers of protection anodized base coat with a powder coat finish
- Shorter handles - easily fits in tight spaces
- Flat base in chrome, carbon fiber or powder coat finish

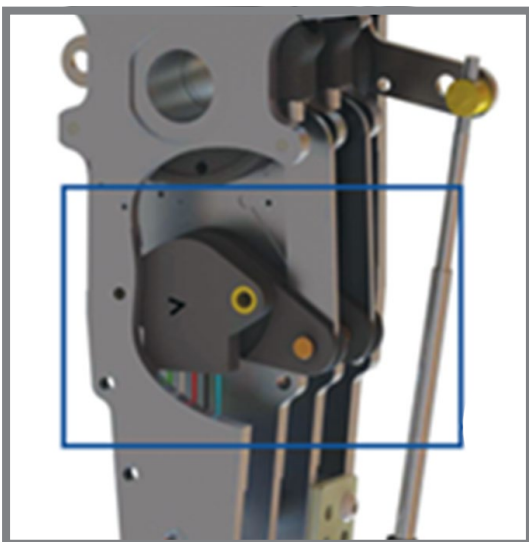
FEATURES - CONTINUED

- Applications available for throttle, shift, jet drives, or buckets
- Available in two styles: billet or standard (1 function per handle)
- Three throttle/shift configurations:
 - o Fully Mechanical
 - o Fully Electric
 - o Mechanical/Electric (Hybrid)
- Configurations include one or any combination of the below
 - o The use of mechanical 33C or 43C cables
 - o The use of 0-5 volt electronic sensors or PWM signal
 - o The use of a micro switch - for shift handles only
 - o Applications requiring the use of an idle validation switch can be accommodated.
- Can be calibrated for the below engines:
 - o Steyr
 - o Cummins
 - o Iveco
 - o Fiat
 - o Yanmar
 - o John Deere
 - o Caterpillar
 - o Bosch Controllers

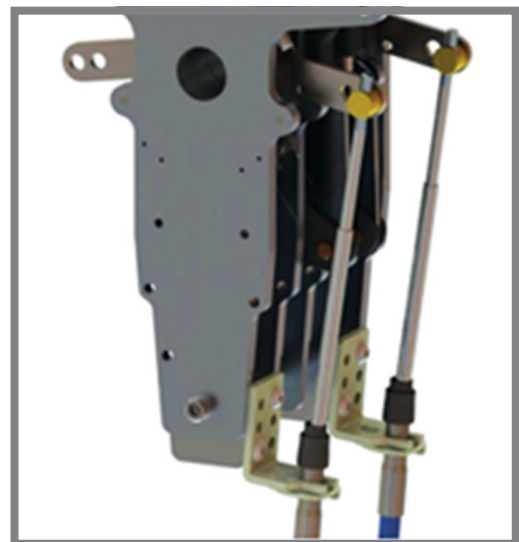


Shorter base depth:

- Mechanical units 8.125"
- Electric units 6.5"



Electrical configurations use compact direct driven angular sensors (IP68 Waterproof sensors)



Mechanical levers use 33C or 43C series cables

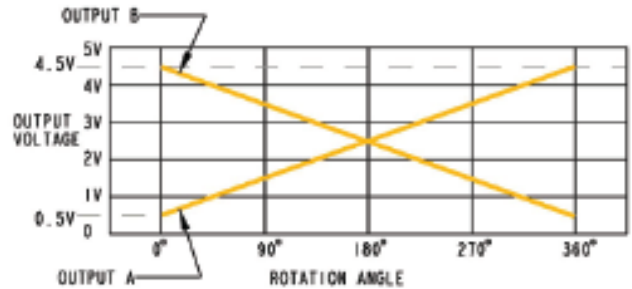
DUAL OUTPUT ANGULAR POSITION SENSOR

Non-contacting magnetic position sensor with two independent outputs Ideal for high reliability sensing applications

Features and Benefits

- Angular position sensor with high tolerance for misalignment
- Dual (redundant) outputs assure very high reliability
- Non-contact sensing up to full 360° rotation
- No mechanical interface
 - Nothing to break or wear out
 - No possibility of jamming or resistance to motion
- Sealed design meets IEC529 IP68 for immersion
- Rugged design includes EMI/ESD protection to SAE J1113 standards
- Maximum operating temperature of 125°C

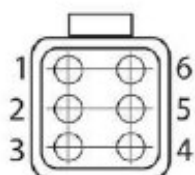
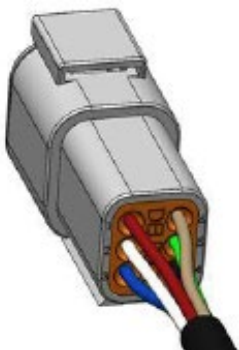
Typical Sensor Output Signal (Based on 5V Supply)



ELECTRICAL SPECIFICATIONS

SENSING RANGE	0 TO 360 DEGREES OF ROTATION
INPUT VOLTAGE	5.0 VDC ± 10%
OUTPUT VOLTAGE	0.5 TO 4.5 VDC (RATIOMETRIC)
OUTPUT ACCURACY (WITH SUPPLIED MAGNET) (65°- 360° ROTATION)	± 2.5% FULL SCALE
OUTPUT SMOOTHNESS (WITH SUPPLIED MAGNET) (65°- 360° ROTATION)	± 0.75% FULL SCALE FOR ANY 2% INTERVAL
OUTPUT LINEARITY (WITH SUPPLIED MAGNET) (65°- 360° ROTATION)	± 2.0% FULL SCALE
MAX SUPPLY VOLTAGE	20 VDC
REVERSE VOLTAGE	-10 VDC
MAXIMUM OUTPUT CURRENT RANGE	8MA
MINIMUM OUTPUT CURRENT RANGE	-8MA
RESOLUTION	ANALOG
ELECTROSTATIC DISCHARGE	SAE J1113-13; +/- 8KV
IMMUNITY TO RADIATED ELECTRONIC MAGNETIC FIELDS	SAE J1113-4; 1 MHZ TO 400 MHZ
CONDUCTED TRANSIENT EMISSIONS	SAE J1113-42; ± 25V
OPERATING TEMPERATURE	-40 TO 125°C

DEUTSCH CONNECTOR DTM04 - 6P



Pin Number	Wire Color	Description
1	Red	PPS1 (5V)
2	White	PPS2 (5V)
3	Blue	PPS1 Signal
4	Black	PPS1 Ground
5	Green	PPS2 Ground
6	Tan	PPS2 Signal

Build your own part number:

Standard Style / electric throttle / mechanical shift / four handle / single switch / black knobs

S	T	E	M	2	2	S	B	K
Throttle style	Throttle Actuation	Shift Actuation	# of Throttle handles	# of Shift handles	Switches	Knob color		
Code:	Code:	Code:	Code:	Code:	Code:	Code:	Code:	Code:
Billet	full mechanical	MM	0	0	no switch	black	BK	
Standard	full electric	EE	1	1	single	blue	BL	
	mech throt/elec shift	ME	2	2	dual	black star	BS	
	elec throt /mech shift	EM	3	3	triple	chrome	CH	
						gun metal	GU	
						lime	L	
						mustard	MU	
						orange	O	
						platinum	PL	
						purple	PU	
						red	R	
						white	W	

Specify the following:

1. Comments:

2. Optional Features:

- Calibration, Engine Model & Year
- Flat base plate in chrome (comes as a standard feature)
- Configuration ex: S-S-T-T
- Flat base plate in a powder coat finish
- Right or Left Thumb Actuation
- Flat base plate with a carbon fiber inlay

Powder Coat Options:

BK **BL** **W** **PL** **PSS** **MU** **R** **O** **L** **PU**

Carbon Fiber Base Options (Black and silver carbon fiber):

CF **SF**

Laser etching available

Cummins Harness Part #

CMDPCSH20 Cummins harness 20 feet
 CMDPCSH25 Cummins harness 25 feet
 CMDPCSH30 Cummins harness 30 feet