

TELEFLEX/MORSE INDUSTRIAL

Electronic Throttle Controls Hand Operated

For use with electronic engines, the ETC allows a remote, hand operated control for engine RPM. These controls have a range of applications on vehicles such as fire trucks, generator sets, trucks, agricultural tractors, and construction equipment.



Electronic	Electronic Throttle Control Cross Reference					
Engine	Model	New Part No.	Turn Direction	Turns	Pot Value	Old Part No.
Caterpillar Industrial	8 VDC CPU Input 12 VDC Input	310730 311421 ¹ 311421-001 ² 311421-002 ³	CCW CCW CCW CCW	1.75 1.75 1.75 1.75 1.75	SPL SPL SPL SPL	N/A N/A N/A N/A
Cummins	W/O Idle Validation W/O Idle Validation Celect" Plus ISB, ISC, iSL	310714-001 310714-004 311440	CW CCW CCW	2.25 2.25 1.5	2.5K 2.5K 2.5K	309718 N/A N/A
Detroit Diesel	DDEC" I, II & III IV & V DDEC" I, II & III IV & V Series 40	310714-001 310714-004 310714-008	CW CCW CW	2.25 2.25 2.25	2.5K 2.5K 18K	305662 N/A
John Deere	400 Series 6076 & 6081 500 Series 6101 400 Series 6076 & 6081 500 Series 6101	310714-002 310714-005	CW CCW	2.25 2.25	5K 5K	310423 N/A
Navistar	T444E, & DT466E 530E	310714-001 310714-004 310714-008	CW CCW CW	2.25 2.25 2.25	2.5K 2.5K 18K	309718 N/A
Pigtail Connector		306777	18" Pigtail connector for ETC. For Use with 310714 part numbers only.			

¹ Idle 16%, WOT 82%

 $^{\rm 2}$ Idle 7.5%, WOT 92.5%

³ Idle 7.5%, WOT 80%

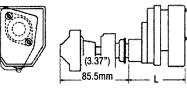
CW = Clockwise CCW = Counter clockwise WOT = Wide Open Throttle

Key Features

- Pigtail available for most engines, a pigtail assembly is available as an optional connection.
- Visual design the basic flat black design of the unit fits well with both cab and exterior panel displays.
- Waterproof the materials and seals designed into the units are suitable for outdoor environments.

Part Number	"L" Dimension
310714	3.33"
311421	2.85"
311440	2.87"

(2.63") 66.8mm



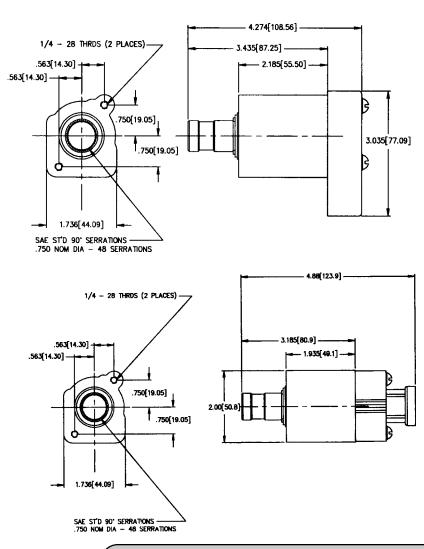
Phone: 800-225-0004 Tax: 908-486-1056 e-mail: sales@sealandpower.com

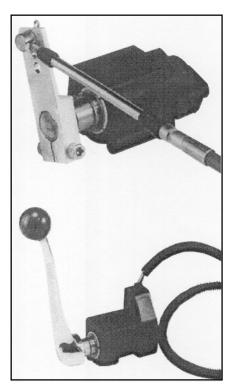


TELEFLEX/MORSE INDUSTRIAL

Electronic Throttle Controls Lever Operated

For use with electronic engines, the LO-ETC allows a remote, hand operated control for engine RPM. LO-ETCs with various engine sensors can be mounted near the engine or at a location convenient to the operator. The option of using a cable lever or hand lever combined with cable or harness length flexibility provides a control system with a great deal of flexibility during vehicle design.





Key Features

- Pigtail available for most engines, a pigtail assembly is available as an optional connection.
- Visual design the basic flat black design of the unit fits well with both cab and exterior panel displays.
- Waterproof the materials and seals designed into the units are suitable for outdoor environments.

```
Phone: 800-225-0004 Tex: 908-486-1056
e-mail: sales@sealandpower.com
```





TELEFLEX/MORSE INDUSTRIAL

Electronic Throttle Controls Lever Operated

Ordering Information					
Engine	Model	Part Number		Pot Value	
Caterpillar	8 VDC CPU Input 12 VDC Input	311788 311873	CW CW	SPL SPL	
Cummins	W/O Idle Validation W/O Idle Validation Celect" Plus ISB, ISC, ISL	311789-001 311789-003 311821	CW CCW CW	2.5K 2.5K 2.5K	
Detroit Diesel	DDEC" I, II & III IV & V DDEC" I, II & III IV & V Series 40	311789-001 311789-003 311789-009	CW CCW CCW	2.5K 2.5K 18K	
John Deere	400 Series 6076 & 6081 500 Series 6101 400 Series 6076 & 6081 500 Series 6101	311789-002 311789-004	CW CCW	5K 5K	
Navistar	T444E, & DT466E 530E	310714-001 * 310714-004 * 311789-009	CW CCW CCW	2.5K 2.5K 18K	
18" Pigtail Connector		306777			

CW = Clockwise

CCW = Counter clockwise

* Hand Operated

Cable Lever
Cable Lever Assembly
Hand Lever
SR Hand Lever
ST Hand Lever
LO-ETC Mounting Bracket

LO - ETC Accessories

LO-ETC's are suitable for use with 30 and 40 series cables. See push-pull cable section for specifications and part numbers.

Phone: 800-225-0004	T	Fax: 908-486-1056		
e-mail: sales@sealandpower.com				



Pigtail connector

Ind/037

Part No.

311814

312018 031765-013

311800