



UPDATED: February 1, 2025

YEAR MAKE/MODEL		VALVE SIZE or ETB (Electronic Throttle Body)	CONTROL / RESET	KIT #	INSTALL MAN UAL	PRODUCT CODE
CLASS 3-5 APPLICATIONS						
			PICK-UP TRUCK / CHASSIS CAB TRUCKS	All PH2 kits are 12VDC unless otherwise stated		
DODGE / RAM						
5.9 L Cummins Diesel Engines						
1994-	RAM 5.9L CUMMINS DIESEL ENGINE	3.5	Manual / Manual	C50200	620	PH
2002	DODGE RAM 5.9L CUMMINS DIESEL ENGINE	"	Auto / Manual	C50200A	9	2
6.7L Cummins Diesel Engines						
1994-		3.5			628	PH
2007 1/2-20	DODGE 6.7L CUMMINS DIESEL ENGINE	3"	Manual / Manual	C50201	462	P2
09	RAM 6.7L CUMMINS DIESEL ENGINE	5	Auto / Manual	C50201A	6	H
2007 1/2-20	DODGE RAM 6.7L CUMMINS DIESEL ENGINE	"	Manual / Manual	C50202	5	2
09 2010-	RAM DODGE 6.7L CUMMINS DIESEL ENGINE	3.5	Auto / Manual	C50202A	628	PH
2012	RAM 6.7L CUMMINS DIESEL ENGINE	"	Manual / Manual	C50204	3	2
2010-	RAM 6.7L CUMMINS DIESEL ENGINE	3.5	Auto / Manual	C50204A	626	PH
2012	RAM	"			5	2
FOOTR3-D						
2018		3.5			628	PH
6.7L Power Stroke Diesel Engines						
2001 131--	FOR 6.7L POWER STROKE DIESEL ENGINE	3.5	Manual / Manual	C50207	6	PH
2001 186	D 6.7L POWER STROKE DIESEL ENGINE	3"	Auto / Manual	C50207A	627 827	P2
2011-	FOR	5			9	H
2018	D	"			628	2
CHEV / CHEV ROLET						
6.6L Duramax Diesel Engines						
2001-CH	6.6L DURAMAX (LML)	2.8	Manual / Manual	C50210	629	PH
2016	6.6L DURAMAX (LML)	5	Auto / Manual	C50210A	6	2
2001-CH		2.8			629	PH
2016		"			7	2



MAKE/MODEL	VALVE SIZE	CONTROL / RESET	ACTUATION	KIT #	INSTALL MANUAL	PRODUCT CODE
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CLASS 6-8 APPLICATIONS

COMMERCIAL HEAVY DUTY TRUCKS

All PH2 kits are 12 VDC unless otherwise stated

3.0" VALVES

ANY COMMERCIAL TRUCK

ANY COMMERCIAL TRUCK

ANY COMMERCIAL TRUCK
24 VDC

ANY COMMERCIAL TRUCK

24 VDC

3.0	Manual / Manual	Electri	C50218	627	PH
"	Manual / Manual	c	C50218-24	4	2
3.0	Auto / Manual	Electri	C50218A	627	PH
"	Auto / Manual	c	C50218A-24	4	2

3.5" VALVES

VOLVO / MACK

ANY COMMERCIAL TRUCK

ANY COMMERCIAL TRUCK

3.0		Electri		627	PH
3".5"	Auto / Manual	Pneumatic	C50285A	5 6438	P2H2

3.5	Manual / Manual	Electri	C50217	627	PH
"	Auto / Manual	c	C50217A	4	2
3.5		Electri		627	PH
"		c		5	2

4.0" VALVES

Detroit DD13 / DD15 / DD16 Engines

w/ DETROIT DD13, 15 OR 16 ENGINE

COMMERCIAL TRUCK

w/ DETROIT DD13, 15 OR 16 ENGINE

Kenworth T800 ISX Diesel Engines

w/ ISX DIESEL ENGINE

Kenworth T800

w/ E ISXWDIEOSRELTEHNG TIN8E00

4.0	Manual /	Electri	C50205	629	PH
"	Manual	c	C50205A	0	2
4.0	Manual /	Electri		628	PH
4.0	Manual / Manual	Electri	C50219	831	PH
"	Auto / Manual	c	C50219A	1	2

Universal

ANY COMMERCIAL TRUCK

ANY COMMERCIAL TRUCK

ANY COMMERCIAL TRUCK

ANY COMMERCIAL TRUCK

4.0	Manual / Manual	Electri	C50209	627	PH
4.0	Manual / Manual	c	C50209-24	4	PH
"	Auto / Manual	Electri	C50209A	627	2
4.0	Auto / Manual	c	C50209A-24	4	PH

5.0" VALVES

ANY COMMERCIAL TRUCK

ANY COMMERCIAL TRUCK

ANY COMMERCIAL TRUCK

ANY COMMERCIAL TRUCK

4.0		Electri		662	PH
"	Auto / Manual	cc	C50247A	277	2
5.0	Auto / Manual	Electri	C50247A-24	55	PH
5.0	Manual / Manual	c	C50247	627	H
5.0	Manual / Manual	Electri	C50247-24	5	22

CUSTOM VALVES

CALL 800.663.0096 FOR ADDITIONAL INFORMATION

ANY COMMERCIAL

TRUCK ANY

COMMERCIAL TRUCK

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PACBRAKE

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MAKE/MODEL OFF HIGHWAY APPLICATIONS	VALVE SIZE	CONTROL / RESET	ACTUATION	KIT #	INSTALL MANUAL	PRODUCT CODE
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3.0" Valves

GENERIC

STATIONARY EQUIPMENT

All PH2kits are 12 VDC unless otherwise stated

GENERIC

	3.0	Manual / Manual	Electric	C50218	627	PH
GENERIC 24 VDC	"	Manual / Manual	Electric	C50218-24	4	2
GENERIC	3.0	Auto / Manual	Electric	C50218A	627	PH
24 VDC	"	Auto / Manual	Electric	C50218A-24	4	2
V3.a51"ves	3.0				627	PH
GENERIC	"3.	Manual / Manual	Electric	C50217	562	2P
GENERIC	5	Auto / Manual	Electric	C50217A	7	H
V4.a01" GENveER	3".				642	P2
GENERIC	0	Manual / Manual	Electric	C50209	7	H
GENERIC 24 VDC	"3.	Manual / Manual	Electric	C50209-24	562	2P
GENERIC	5	Auto / Manual	Electric	C50209A	7	H
24 VDC	4".	Auto / Manual	Electric	C50209A-24	562	P2
	0				7	H
5.0" Valves	"				4	2
GENERIC	4.0	Auto / Manual	Electric	C50247A	627	PH
GENERIC 24 VDC	"	Auto / Manual	Electric	C50247A-24	4	2
GENERIC	4.0	Manual / Manual	Electric	C50247	627	PH
24 VDC	5".	Manual / Manual	Electric	C50247-24	562	P2

CUSTOM VALVES

CALL 800.663.0096 FOR ADDITIONAL INFORMATION

GENERIC	2.08" - 5"	Auto / Manual	Electric - Double Pull Cable	CONTACT PACBRAKE	74372	H
	4.0				627	PH2
GENERIC	2.5" - 5"	Manual / Manual	Pneumatic	CONTACT PACBRAKE	4621	PH2

GENERATORS

CUMMINS / DS-GA A-E / QSB7	3.0"	Auto / Manual	Electric - Micro Switch	C50220A	627	PH2
CUMMINS / C60D6R / QSB5	3.0"	Auto / Manual	Electric - Micro Switch	C50227A	6333	PH2
CUMMINS / C80D6R / QSB5						
CUMMINS / 100D6R / QSB						
CUMMINS / DSFAA-35 KW / DSFAB-40KW / DS- FAC-50 KW / DSFAD-60 KW / DSFAE-80 KW	3.0"	Auto / Manual	Electric - Micro Switch	C50231A	6375	PH2
CUMMINS / C300 D6R / QSM	4.0"	Auto / Manual	Electric - Micro Switch	C50232A	6337	PH2
CUMMINS / DFEG (350) / FEH (400) / DFEJ (450) / DFEK (500) 24 VDC	5.0"	Auto / Manual	Electric - Micro Switch	C50237A	6378	PH2
GENERIC	5.0	Auto / Manual	Electr	C50247A	627	PH
GENERIC 24 VDC	"	Auto / Manual	ic	C50247A-24	5	2
GENERIC	5.0	Manual / Manual	Electr	C50247	627	PH
GENERIC 24 VDC	"	Manual / Manual	ic	C50247-24	5	2
	5.0		Electr		627	PH
	"		ic		4	2
	5.0		Electr		627	PH
	"		ic		4	2



PACBRAKE

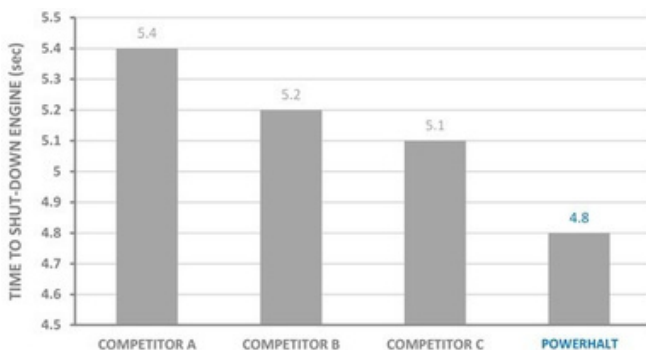
Product Data Sheet



Doc.#	Rev.	ECN #	Date	Name
L8003	9	1-2653	07.12.22	Pamir Ozdemir

POWERHALT 2 - EMERGENCY AIR INTAKE SHUT-OFF VALVE

Reliable and safe emergency shut down for diesel engines
 Multiple activation methods with operator friendly manual reset
 Optional smart controller with low power consumption
 Enclosed drive system is debris and corrosion resistant
 Highly durable O-ring material providing near zero leakage when shut
 Designed for a wide range of temperatures
 Robust design; Tested to MIL-STD-810G vibration and 10,000 activations
 Corrosion tested to ASTM B117, 96 hours salt fog
 Wide range of sizes available



Product Description

Maximum Intake Boost Air Pressure	2.76 bar(gauge) [40 psig]
Continuous Intake Air Temperature	-55°C to +200°C [-67°F to +392°F] (depending on seal selection)
Ambient Temperature Range	-40°C to +120°C [-40°F to +248°F] (depending on actuator)

Valve Operation	Energize to close
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Standard Mounting Options	Hoses and clamps (139.7 mm [5.5 in] nominal valve size comes with M6x1x8 mounting holes for optional additional support)
Pipe Sizes Supported	Ø64 mm to Ø140 mm [Ø2.5 in to Ø5.5 in]

Seal Selections

Material	Continuous Intake Air Temperature
Fluorosilicone	-55°C to +175°C [-67°F to +350°F]
Viton	-20°C to +200°C [-4°F to +392°F]

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Product Data Sheet



Doc.#
L8003

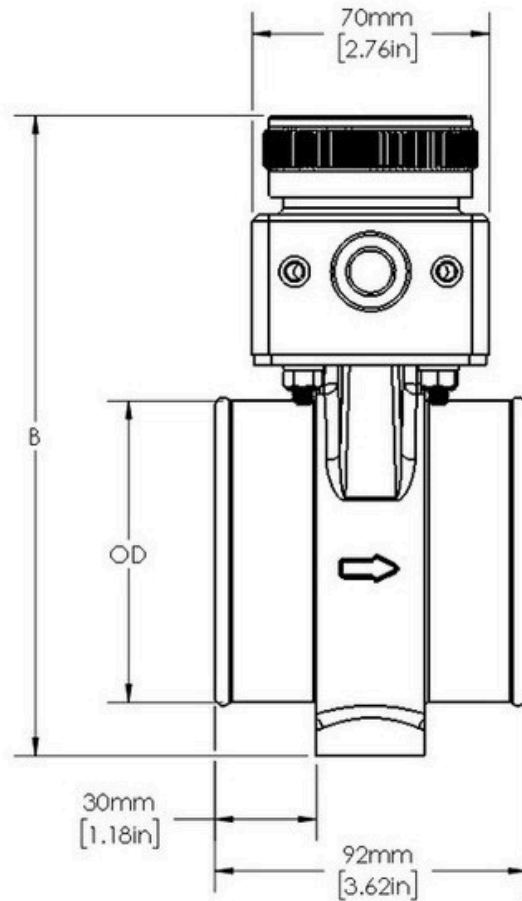
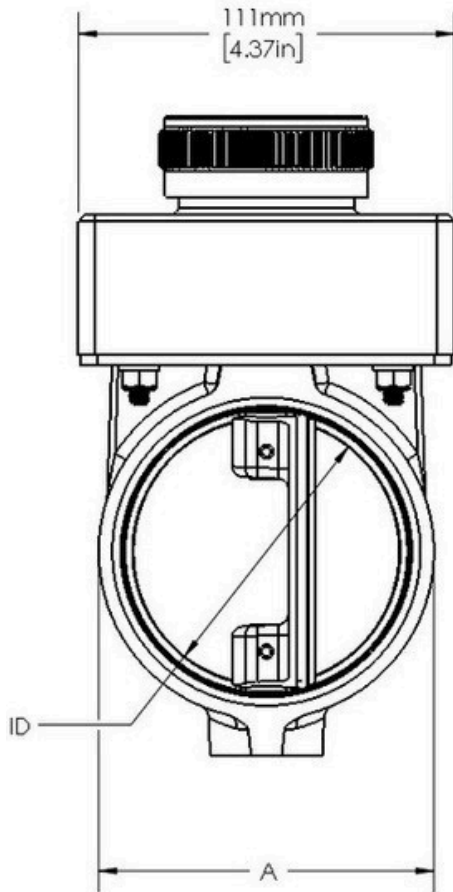
Rev.
9

ECN #
1-2653

Date
07.12.22

Name
Pamir Ozdemir

Physical Characteristics



Nominal Valve Size [OD]	Valve Core Dimensions			Weight
	Bore [ID]	Width [A]	Height [B]	
71.0 mm [2.8 in]	58 mm [2.28 in]	81 mm [3.19 in]	176.3 mm [6.94 in]	1.46 kg [3.25 lb]
76.2 mm [3.0 in]	63 mm [2.48 in]	81.5 mm [3.20 in]	179.3 mm [7.05 in]	1.48 kg [3.26 lb]
89mm [3.5 in]	78.5 mm [3.09 in]	99 mm [3.89 in]	189.1 mm [7.44 in]	1.55 kg [3.41 lb]
102 mm [4.0 in]	91.5 mm [3.60 in]	112 mm [4.41 in]	202.1 mm [7.95 in]	1.64 kg [3.61 lb]
127 mm [5.0 in]	116.5 mm [4.59 in]	134 mm [5.27 in]	227 mm [8.94 in]	1.75 kg [3.86 lb]
139.7 mm [5.5 in]	126.5 mm [5.1 in]	151 mm [5.9 in]	238.1 mm [9.37 in]	1.96 kg [4.32 lb]

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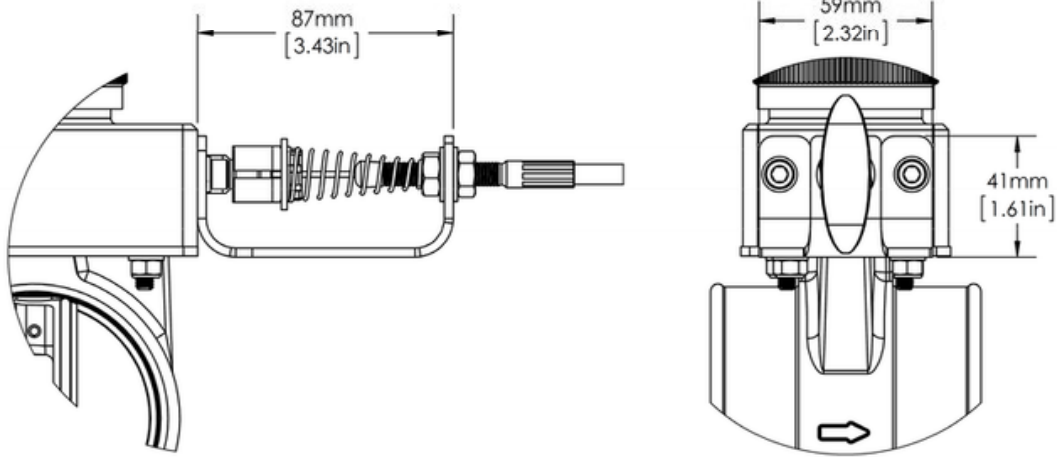
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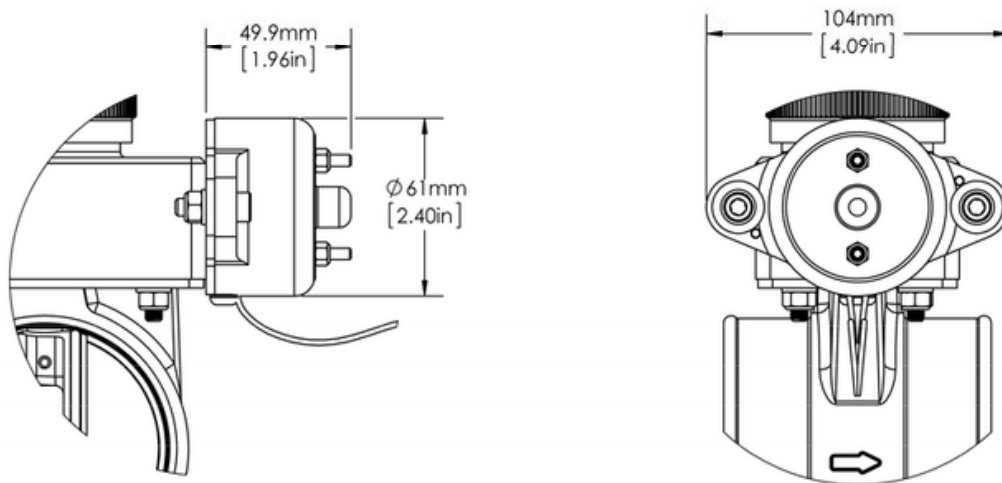
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Single Pull Cable Activation



Cable Activation Pull Force	90 N [20.2 lbf]
Minimum Stroke for Activation	12 mm [0.47 in]
Activation	Pull to close
Actuator Weight (Cable Weighed Separately)	0.24 kg [0.53 lb]

12/24 VDC Electric Activation



Voltages	12 VDC	24 VDC
Resistance	1.7 Ω +/- 10%	3.9 Ω +/- 10%
Duty cycle	10 sec ON / 90 sec OFF	10 sec ON / 90 sec OFF
Activation	Power to close	Power to close
Electrical Connector	Metri-Pack, 280 Series Female, 2 Pin (Delphi # 15300027)	Metri-Pack, 280 Series Female, 2 Pin (Delphi # 15300027)
Actuator Weight	0.84 kg [1.9 lb]	0.84 kg [1.9 lb]

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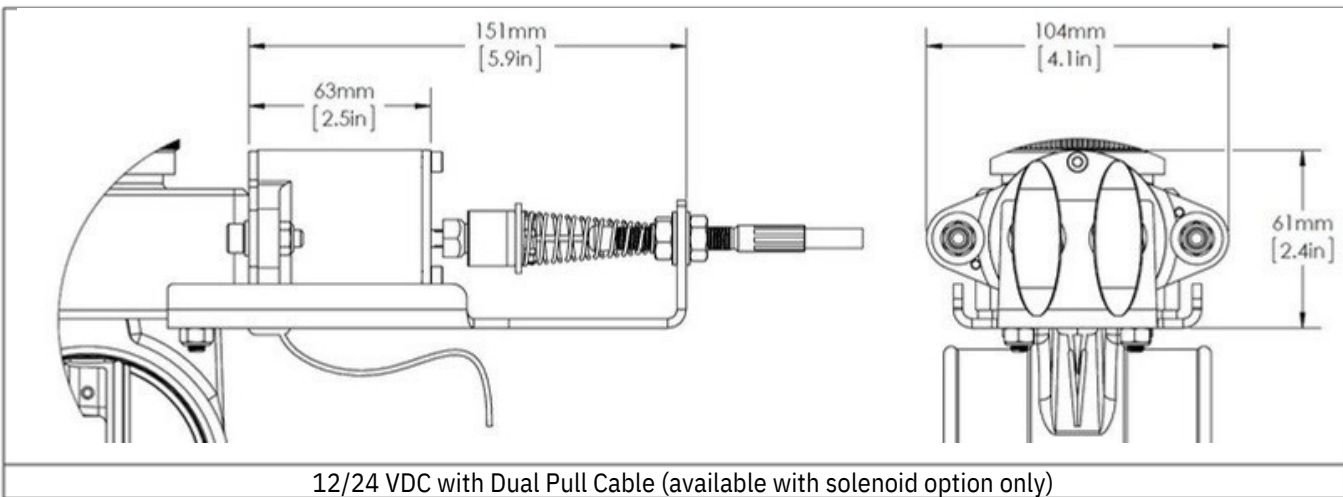
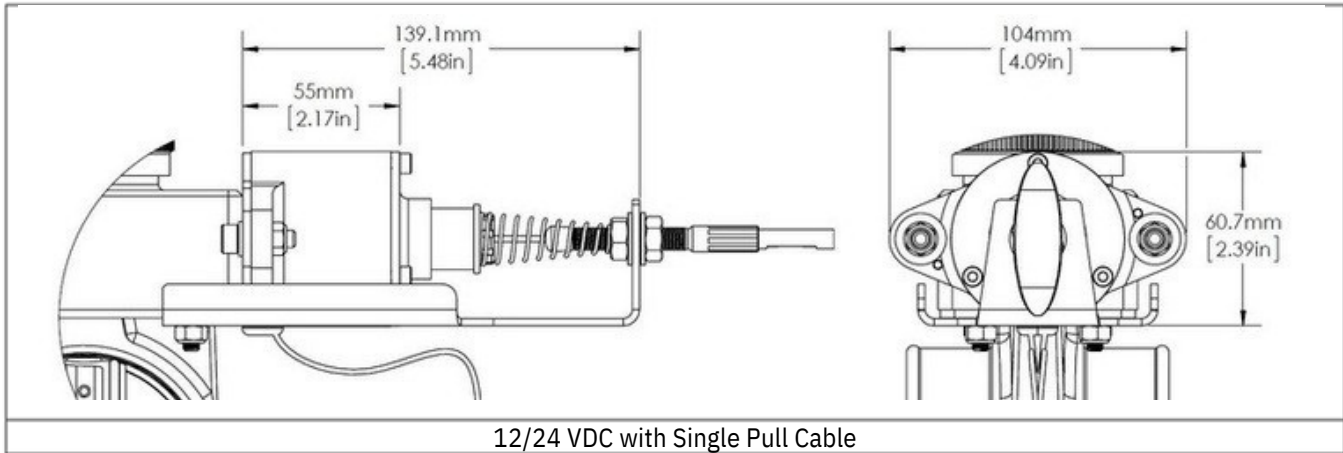
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Pamir Ozdemir

12/24 VDC Electric Solenoid with Single/Dual Pull Cable Activation



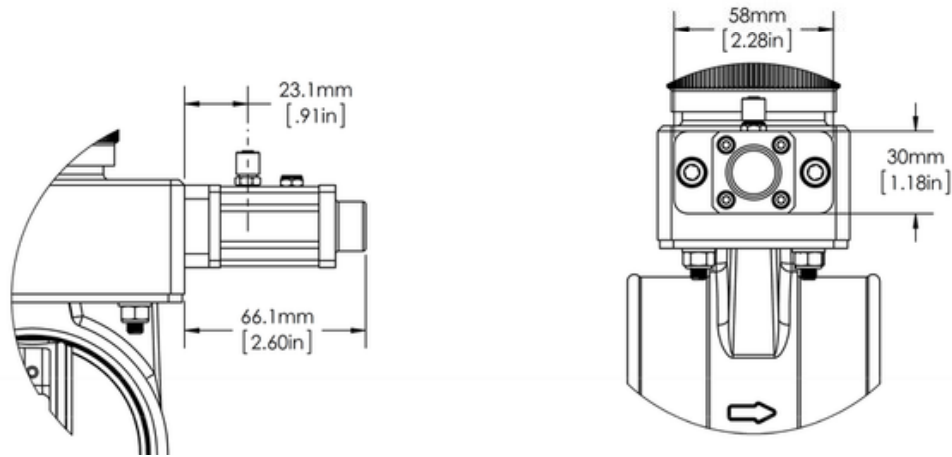
Pull Cable Configuration		
No. of cables	Single	Dual
Cable Activation Pull Force	90 N [20.2 lbf]	98 N [22 lbf]
Minimum Stroke for Activation	12 mm [.47 in]	12 mm [.47 in]
Activation	Pull to close	Pull to close
Electrical configuration		
Voltages	12 VDC	24 VDC
Resistance	1.7 Ω +/- 10%	3.9 Ω +/- 10%
Duty cycle	10 sec ON / 90 sec OFF	10 sec ON / 90 sec OFF
Activation	Power to close Metri-Pack, 280 Series	Power to close Metri-Pack, 280 Series
Electrical Connector	Female, 2 Pin (Delphi #15300027)	Female, 2 Pin (Delphi #15300027)
Actuator Weight (Cable Weighed Separately)	0.96 kg [2.1 lb]	1.08 kg [2.4 lb]

Product Data Sheet



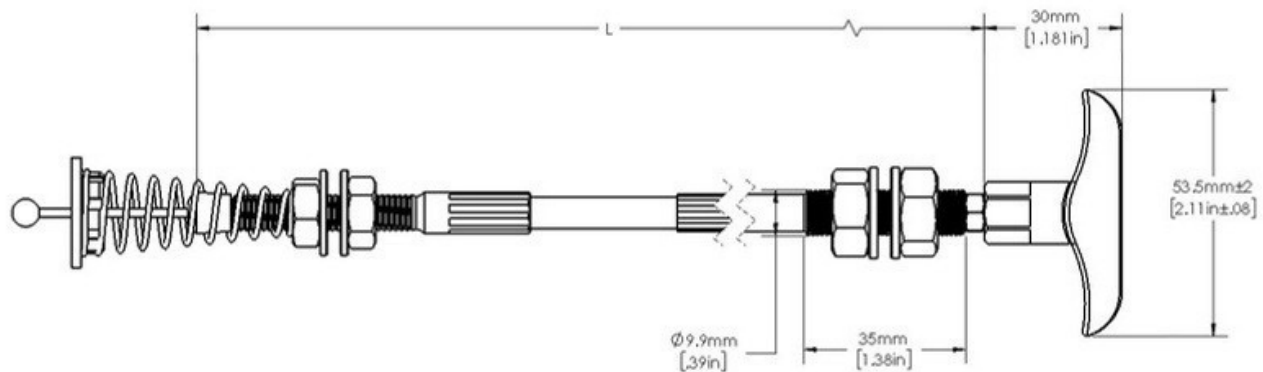
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L8003	9	1-2653	07.12.22	Pamir Ozdemir

Pneumatic Activation



Minimum Air Supply Pressure for Activation	4.1 bar(gauge) [60 psig]
Maximum Air Supply Pressure	10 bar(gauge) [145 psig]
Pneumatic Cylinder Temperature Range	-40°C to +70°C [-40°F to +158°F]
Pneumatic Connection	Tube: 6 mm OD, 4 mm ID, nylon, soft nylon, or polyurethane
Air System Cleanliness	Contaminant particle size < 40 µm [.16 µin]
Activation	Provide pressure to close valve
Actuator Weight	0.20 kg [0.44 lb]

Pull Cable



Minimum Cable Bending Radius	90 mm [3.54 in]				
Cable Lengths [L]	mm	610	1220	1830	2440
	ft	2	4	6	8
Default Position	Handle retracted				
Cable Weight (Reference)	0.29 kg [0.64 lb] for 1830 mm [6 ft] Length				
Total degrees of all bends	360° maximum				
Through-hole size	11 mm [7/16 in]				

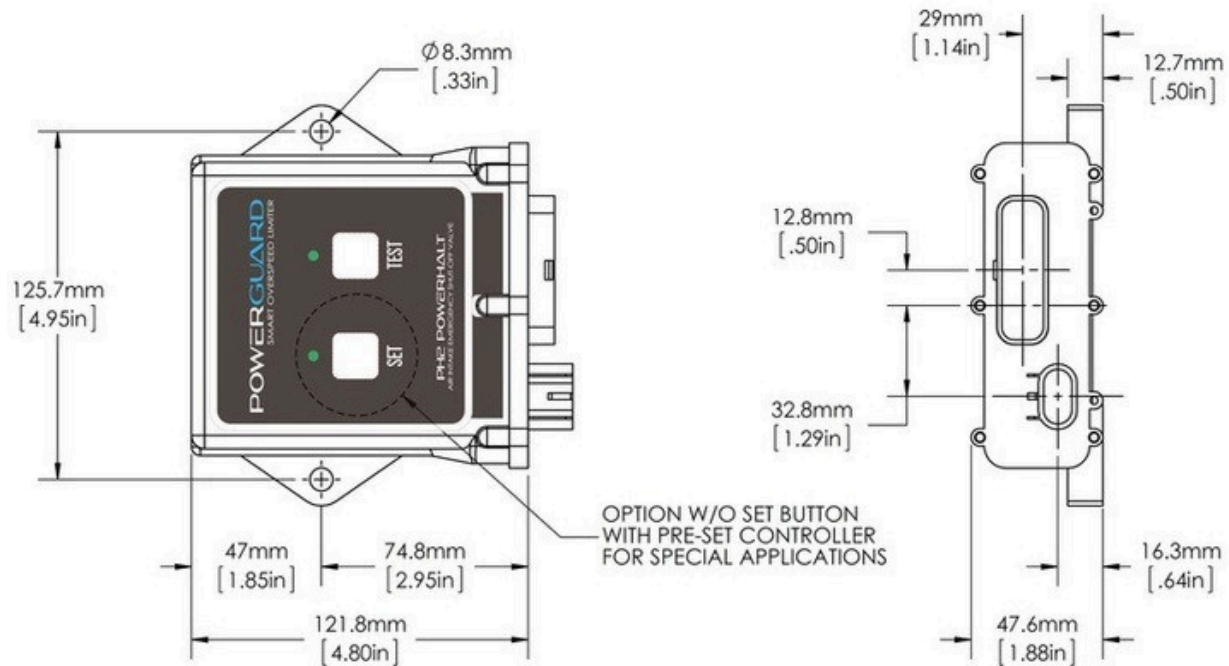
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L8003	9	1-2653	07.12.22	Pamir Ozdemir

Digital Controller



Controller Housing Material Compliance	J1455 (-40°C to +85°C) [-40 F to +185 F]
Controller Voltage	12/24 VDC
Maximum Relay Rating	20 A@28 VDC
Power Consumption	30 mA max continuous

Magnetic Pickup – Gear Tooth Sensor

Sizes Available

Thread Size	Length	Installation Torque
3/8 - 24 UNF	51 mm [2 in]	5.1 ± 0.3 Nm [45 ± 3 in-lbf]
3/8 - 24 UNF	76 mm [3 in]	5.1 ± 0.3 Nm [45 ± 3 in-lbf]
5/8 - 18 UNF	51 mm [2 in]	25.8 ± 1.4 Nm [19 ± 1 ft-lbf]
3/4 - 16 UNF	64 mm [2.5 in]	81.3 ± 2.7 Nm [60 ± 2 ft-lbf]

Temperature Range	-40°C to +105°C [-40°F to +221°F]
Signal Output	0 VDC to 5 VDC TTL
Connector	Weather-Pack, Male, 3 Pin (Delphi # 12010717)

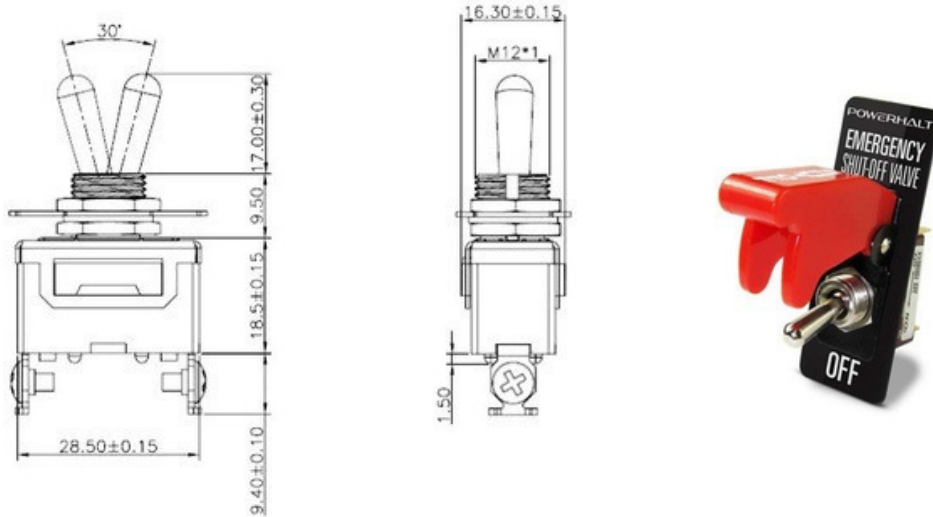
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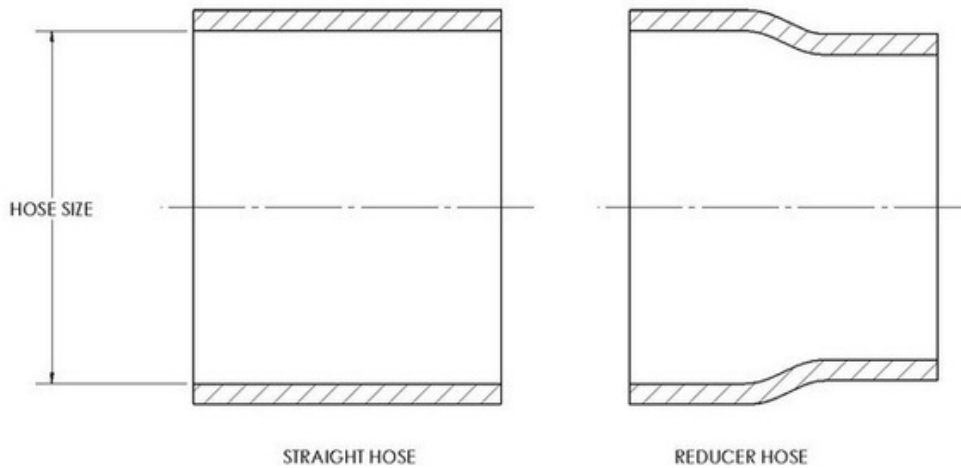
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Toggle Switch



Thru-Hole Drill Size		12.7 mm [0.5 in]
Temperature Rating		-25°C to +80°C [-13°F to +176°F]
Current Rating	12 VDC	6.25 A
	24 VDC	3.13 A

Hoses



Temperature Rating	-55°C to +175°C [-67°F to +347°F]		
Pressure Rating	1 MPa [145 psi]		
Hose Sizes	63 mm to 140 mm [2.5 in to 5.5 in]		
Hose shape available	Straight	90° elbow	45° elbow

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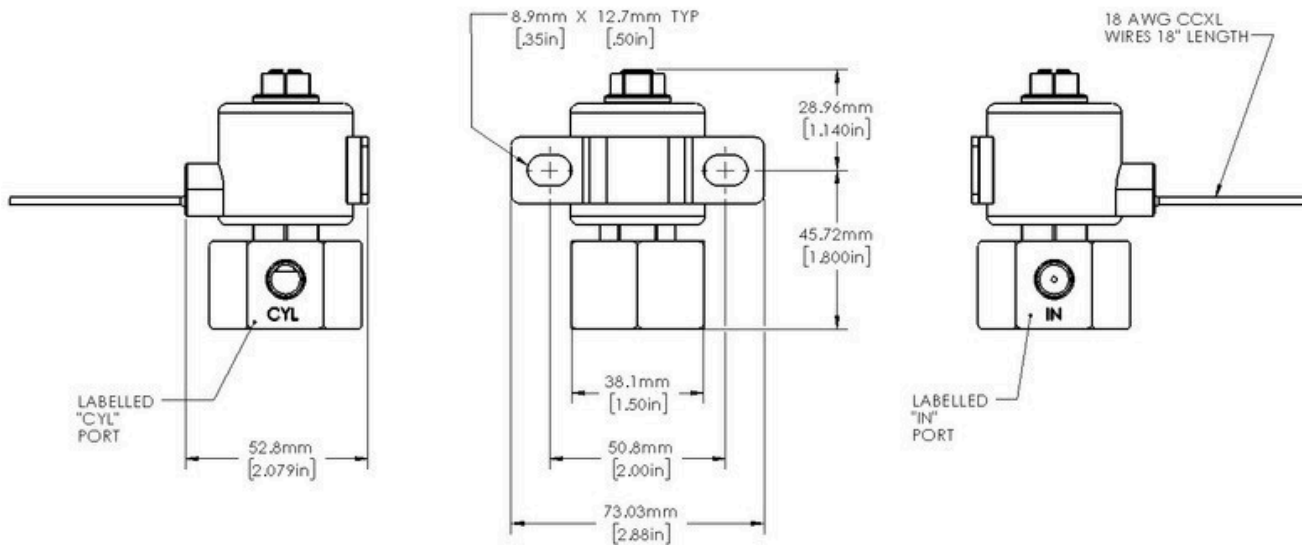
Clamps

Description	Spring Loaded T-Bolt, Heavy Duty/ SAE J1508 Type SLTB													
	Clamp, spring loaded constant tension gear/SAE J1508 Type SLF													
SAE Sizes	64	68	76	84	92	102	112	116	124	136	140	148	154	
Size Range	73 mm to 152 mm [2.88 in to 6 in]													
Installation Torque	7.9 Nm [70 in-lbf]													

Wiring Harness

Temperature Rating	-40°C to +85°C [-40°F to +185°F]
Sealed Connectors	Yes

Pneumatic Solenoid for Pneumatic Activation



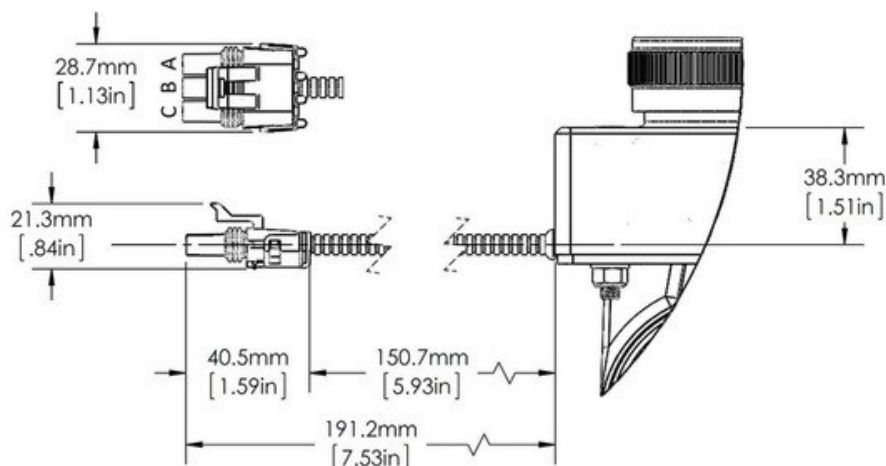
Temperature Rating	-40°C to +85°C [-40°F to +185°F]	
Air Pressure	10.34 bar (gauge) [150 psig] max operating pressure	
Nominal Voltage	12 VDC	24 VDC
Current Rating	1.5 A max	0.8 A max
Connector	Metri-Pack 280 (Delphi # 15300027)	
Port thread	IN	1/8 NPT
	CYL	1/8 NPT

Product Data Sheet



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Position Feedback Option



Pinout, Valve In Open Position	A = NO	B = COM	C = NC
Current Rating	3.0 A @ 30 VDC	3.0 A @ 125 VAC	
Connector	Weather-Pack, Female, 3 Pin (Delphi #12015793)		

Applications

Lighting Units
Bulk Haulers
Grain Processing Plants
Refinery Processing
Fueling Vehicles
Pump Trucks

Ambulances
Tankers
Cranes
Vehicles
Tow Vehicles
Fire Trucks

Lighting Trucks
Power Generators
Forklifts
Underground Equipment
Support Vehicles
Vacuum Trucks

Frack Trucks
Drilling Rigs
Work Boats
Barges
Welders

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SALES CONTACT



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CONTACT

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