

ELECTRIC DIRECTIONAL VALVES W/ CONTROL KIT



Technical Information

D03 12 GPM 12 VDC Electric Directional Valve with Control Kit

• Used to control direction of cylinders or motors, depending on application. • Can be used on most mobile equipment, including ag equipment, tow trucks, tractors and bail beds. • All kits include: (1) Switch Box with Wiring Harness, (10) 7.5" Cable Ties, (1) 10 Amp Fuse Kit, (1) 20' Wiring Harness, (1) Valve Wiring Harness, & (1) Valve.



No Relief



Includes Relief Valve

Electrical Specifications

- 4.76" x 2.60" x 1.40" black switch box
- Switch box features easily adjustable bail mount
- Heavy duty 10 Amp Switch
- Momentary switches (on)-off-(on)
- Long bat handle switch for easy actuation
- Switches are color coded
- Switch box has 3' wiring harness
- Switch box has 6' power cable
- Shielded wire
- 18 gauge wires
- IP69 Deutsch Connectors
- IP65 Coil Connections
- IP65 DIN Connectors
- 10 Amp fuse kit
- Fuse kit includes instruction sheet
- Center wiring harness is 20'
- Valve Harness is 3'

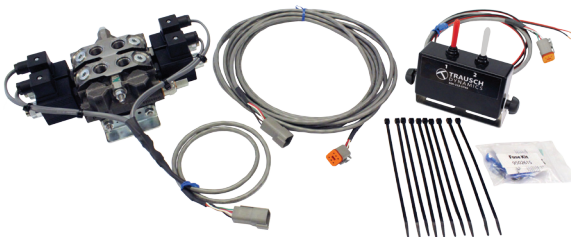
Valve Specifications

- Nominal flow rate 12 GPM
- Intermittent use at 21 GPM
- Max PSI at "P" port = 5080 PSI
- Max PSI at "A" or "B" ports = 5080 PSI
- Max PSI at "T" port = 3050 PSI
- Adjustable direct operated relief valve
- DIN12 Volts DC Coils, 33 Watt, 2.72 Amps
- Inlet relief adjustable 100-4000 PSI

Stock Number	Sections	# of Switches	Circuit	Tank & Pressure Ports	Work Ports	Gauge Port	Relief Valve	Switch Colors	Ship Wt.
9504508	Double Acting Cylinder	1	Parallel/Closed Center	#10 SAE	#8 SAE	N/A	No	Red	9.00
9504509	Double Acting Cylinder	1	Parallel/Closed Center	#10 SAE	#8 SAE	N/A	Yes	Red	10.00
9504444	Double Acting Cylinder	2	Parallel/Closed Center	#10 SAE	#8 SAE	#6 SAE	No	Red / White	18.00
9504445	Double Acting Cylinder	2	Parallel/Closed Center	#10 SAE	#8 SAE	#6 SAE	Yes	Red / White	18.00
9504468	Double Acting Cylinder	3	Parallel/Closed Center	#10 SAE	#8 SAE	#6 SAE	No	Red / White / Blue	22.00
9504469	Double Acting Cylinder	3	Parallel/Closed Center	#10 SAE	#8 SAE	#6 SAE	Yes	Red / White / Blue	23.00
9504484	Double Acting Cylinder	4	Parallel/Closed Center	#10 SAE	#8 SAE	#6 SAE	No	Red / White / Blue / Green	29.00
9504485	Double Acting Cylinder	4	Parallel/Closed Center	#10 SAE	#8 SAE	#6 SAE	Yes	Red / White / Blue / Green	30.00

12 GPM 12 VDC Electric Directional Valvewith Control Kit

• Used to control direction of cylinders or motors, depending on application. • Can be used on most mobile equipment, including ag equipment, tow trucks, tractors and bail beds. • All kits include: (1) Switch Box with Wiring Harness, (10) 7.5" Cable Ties, (1) 10 Amp Fuse Kit, (1) 20' Wiring Harness, (1) Valve Wiring Harness, & (1) Valve.



Electrical Specifications

- 4.76" x 2.60" x 1.40" black switch box
- Switch box features easily adjustable bail mount
- Heavy duty 10 Amp Switch
- Momentary switches (on)-off-(on)
- Long bat handle switch for easy actuation
- Switches are color coded
- Switch box has 3' wiring harness
- Switch box has 6' power cable
- Shielded wire
- 18 gauge wires
- IP69 Deutsch Connectors
- IP65 Coil Connections
- IP65 DIN Connectors
- 10 Amp fuse kit
- Fuse kit includes instruction sheet
- Center wiring harness is 20'
- Valve Harness is 3'

Valve Specifications

- Load hold check on each section
- Open or center closed capability
- Body is high strength cast iron
- Seals are Buna "N"
- Max flow rate 12 GPM
- Max PSI at "P" port = 3600 PSI
- Max PSI at "A" or "B" ports = 4600 PSI
- Max PSI back-pressure at "T" port = 290 PSI
- Adjustable direct operated relief valve
- Power beyond capability
- DIN12 Volts DC Coils, 36 Watt, 3 Amps
- Inlet pressure port in rear
- Inlet relief set @ 2200 PSI
- Inlet relief adjustable 1300-3000 PSI

Stock Number	Sections	# of Sections	Circuit	Tank & Pressure Ports	Work Ports	Power Beyond	Switch Colors	Ship Wt.
9504510	Double Acting Cylinder	1	Open Center	#8 SAE	#8 SAE	Yes	Red	12.00
9504511	Double Acting Cylinder	1	Closed Center	#8 SAE	#8 SAE	No	Red	13.00
9504446	Double Acting Cylinder	2	Open Center	#8 SAE	#8 SAE	Yes	Red / White	21.00
9504447	Double Acting Cylinder	2	Closed Center	#8 SAE	#8 SAE	No	Red / White	21.00
9504470	Double Acting Cylinder	3	Open Center	#8 SAE	#8 SAE	Yes	Red / White / Blue	25.00
9504471	Double Acting Cylinder	3	Closed Center	#8 SAE	#8 SAE	No	Red / White / Blue	25.00
9504486	Double Acting Cylinder	4	Open Center	#8 SAE	#8 SAE	Yes	Red / White / Blue / Green	32.00
9504487	Double Acting Cylinder	4	Closed Center	#8 SAE	#8 SAE	No	Red / White / Blue / Green	33.00

17 GPM 12 VDC Electric Directional Valve with Control Kit

• Used to control direction of cylinders or motors, depending on application. • Can be used on most mobile equipment, including ag equipment, tow trucks, tractors and bail beds. • All kits include: (1) Switch Box with Wiring Harness, (10) 7.5" Cable Ties, (1) 10 Amp Fuse Kit, (1) 20' Wiring Harness, (1) Valve Wiring Harness, & (1) Valve.



Electrical Specifications

- 4.76" x 2.60" x 1.40" black switch box
- Switch box features easily adjustable bail mount
- Heavy duty 10 Amp Switch
- Momentary switches (on)-off-(on)
- Long bat handle switch for easy actuation
- Switches are color coded
- Switch box has 3' wiring harness
- Switch box has 6' power cable
- Shielded wire
- 18 gauge wires
- IP69 Deutsch Connectors
- IP65 Coil Connections
- IP65 DIN Connectors
- 10 Amp fuse kit
- Fuse kit includes instruction sheet
- Center wiring harness is 20'
- Valve Harness is 3'

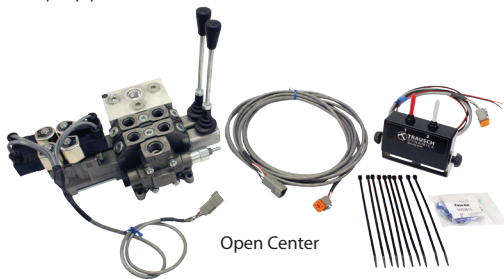
Valve Specifications

- Load hold check on each section
- Open or center closed capability
- Body is high strength cast iron
- Seals are Buna "N"
- Max flow rate 17 GPM
- Max PSI at "P" port = 3600 PSI
- Max PSI at "A" or "B" ports = 4600 PSI
- Max PSI back-pressure at "T" port = 290 PSI
- Adjustable direct operated relief valve
- Power beyond capability
- DIN12 Volts DC Coils, 34 Watt, 2.80 Amps
- Inlet pressure & tank port on top
- Inlet relief set @ 2200 PSI
- Inlet relief adjustable 1300-3000 PSI

Stock Number	Sections	# of Sections	Circuit	Tank & Pressure Ports	Work Ports	Power Beyond	Switch Colors	Ship Wt.
9504512	Double Acting Cylinder	1	Open Center	#10 SAE	#10 SAE	Yes	Red	18.00
9504513	Double Acting Cylinder	1	Closed Center	#10 SAE	#10 SAE	Yes	Red	19.00
9504448	Double Acting Cylinder	2	Open Center	#10 SAE	#10 SAE	Yes	Red / White	29.00
9504449	Double Acting Cylinder	2	Closed Center	#10 SAE	#10 SAE	Yes	Red / White	29.00
9504472	Double Acting Cylinder	3	Open Center	#10 SAE	#10 SAE	Yes	Red / White / Blue	35.00
9504473	Double Acting Cylinder	3	Closed Center	#10 SAE	#10 SAE	Yes	Red / White / Blue	35.00
9504488	Double Acting Cylinder	4	Open Center	#10 SAE	#10 SAE	Yes	Red / White / Blue / Green	44.00
9504489	Double Acting Cylinder	4	Closed Center	#10 SAE	#10 SAE	Yes	Red / White / Blue / Green	45.00

21 GPM 12 VDC Electric Directional Valve with Control Kit

• Used to control direction of cylinders or motors, depending on application. • Can be used on most mobile equipment, including ag equipment, tow trucks, tractors and bail beds. • All kits include: (1) Switch Box with Wiring Harness, (10) 7.5" Cable Ties, (1) 10 Amp Fuse Kit, (1) 20' Wiring Harness, (1) Valve Wiring Harness, & (1) Valve.

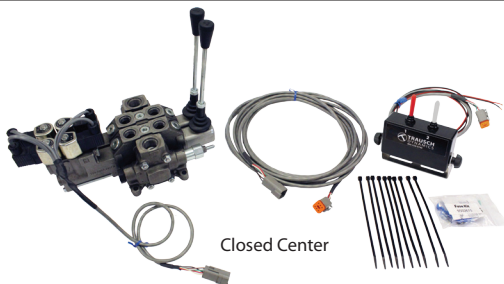


Electrical Specifications

- 4.76" x 2.60" x 1.40" black switch box
- Switch box features easily adjustable bail mount
- Heavy duty 10 Amp Switch
- Momentary switches (on)-off-(on)
- Long bat handle switch for easy actuation
- Switches are color coded
- Switch box has 3' wiring harness
- Switch box has 6' power cable
- Shielded wire
- 18 gauge wires
- IP69 Deutsch Connectors
- IP65 Coil Connections
- IP65 Mini DIN Connectors
- 10 Amp fuse kit
- Fuse kit includes instruction sheet
- Center wiring harness is 20'
- Valve Harness is 3'

Valve Specifications

- Electrical and manual operation
- Load hold check on each section
- Open or center closed capability
- Body is high strength cast iron
- Seals are Buna "N"
- Max flow rate 21 GPM
- Max PSI at "P" port = 3600 PSI
- Max PSI at "A" or "B" ports = 4600 PSI
- Max PSI back-pressure at "T" port = 430 PSI
- Adjustable direct operated relief valve
- Power beyond capability
- DIN12 Volts DC Coils, 21 Watt, 1.70 Amps
- Inlet pressure & tank port on top
- Inlet relief adjustable 1300-3000 PSI



Stock Number	Sections	# of Sections	Circuit	Tank & Pressure Ports	Work Ports	Power Beyond	Switch Colors	Ship Wt.
9504514	Double Acting Cylinder	1	Open Center	#12 SAE	#10 SAE	No	Red	25.00
9504515	Double Acting Cylinder	1	Closed Center	#12 SAE	#10 SAE	Yes	Red	23.00
9504450	Double Acting Cylinder	2	Open Center	#12 SAE	#10 SAE	No	Red / White	39.00
9504451	Double Acting Cylinder	2	Closed Center	#12 SAE	#10 SAE	Yes	Red / White	34.00
9504474	Double Acting Cylinder	3	Open Center	#12 SAE	#10 SAE	No	Red / White / Blue	47.00
9504475	Double Acting Cylinder	3	Closed Center	#12 SAE	#10 SAE	Yes	Red / White / Blue	43.00
9504490	Double Acting Cylinder	4	Open Center	#12 SAE	#10 SAE	No	Red / White / Blue / Green	60.00
9504491	Double Acting Cylinder	4	Closed Center	#12 SAE	#10 SAE	Yes	Red / White / Blue / Green	58.00

31 GPM 12 VDC Electric Directional Valve with Control Kit

• Used to control direction of cylinders or motors, depending on application. • Can be used on most mobile equipment, including ag equipment, tow trucks, tractors and bail beds. • All kits include: (1) Switch Box with Wiring Harness, (10) 7.5" Cable Ties, (1) 10 Amp Fuse Kit, (1) 20' Wiring Harness, (1) Valve Wiring Harness, & (1) Valve.



Electrical Specifications

- 4.76" x 2.60" x 1.40" black switch box
- Switch box features easily adjustable bail mount
- Heavy duty 10 Amp Switch
- Momentary switches (on)-off-(on)
- Long bat handle switch for easy actuation
- Switches are color coded
- Switch box has 3' wiring harness
- Switch box has 6' power cable
- Shielded wire
- 18 gauge wires
- IP69 Deutsch Connectors
- IP65 Coil Connections
- IP65 Mini DIN Connectors
- 10 Amp fuse kit
- Fuse kit includes instruction sheet
- Center wiring harness is 20'
- Valve Harness is 3'

Valve Specifications

- Electrical and manual operation
- Load hold check on each section
- Open or center closed capability
- Body is high strength cast iron
- Seals are Buna "N"
- Max flow rate 31 GPM
- Max PSI at "P" port = 3600 PSI
- Max PSI at "A" or "B" ports = 4600 PSI
- Max PSI back-pressure at "T" port = 430 PSI
- Adjustable direct operated relief valve
- Power beyond capability
- DIN12 Volts DC Coils, 21 Watt, 1.70 Amps
- Inlet pressure & tank port on top
- Inlet relief adjustable 1300-3000 PSI

Stock Number	Sections	# of Sections	Circuit	Tank & Pressure Ports	Work Ports	Power Beyond	Switch Colors	Ship Wt.
9504516	Double Acting Cylinder	1	Open Center	#16 SAE	#12 SAE	No	Red	33.00
9504517	Double Acting Cylinder	1	Closed Center	#16 SAE	#12 SAE	Yes	Red	33.00
9504452	Double Acting Cylinder	2	Open Center	#16 SAE	#12 SAE	No	Red / White	48.00
9504453	Double Acting Cylinder	2	Closed Center	#16 SAE	#12 SAE	Yes	Red / White	49.00
9504476	Double Acting Cylinder	3	Open Center	#16 SAE	#12 SAE	No	Red / White / Blue	60.00
9504477	Double Acting Cylinder	3	Closed Center	#16 SAE	#12 SAE	Yes	Red / White / Blue	60.00
9504492	Double Acting Cylinder	4	Open Center	#16 SAE	#12 SAE	No	Red / White / Blue / Green	72.00
9504493	Double Acting Cylinder	4	Closed Center	#16 SAE	#12 SAE	Yes	Red / White / Blue / Green	73.00

Wiring Harness



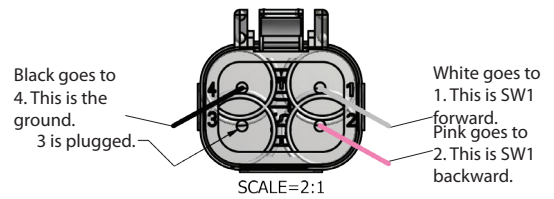
• Use these harnesses to extend the length from your switch box to your valve assembly • Shielded wire • 18 gauge wires • IP69 Deutsch Connectors

Stock Number	Length	# of Switches	Ship Wt.
9504494	5'	1	0.30
9504495	10'	1	0.48
9504496	15'	1	0.68
9504497	20'	1	0.88
9504498	25'	1	1.08
9504499	30'	1	1.28
9504428	5'	2	0.30
9504429	10'	2	0.54
9504430	15'	2	0.81
9504425	20'	2	1.08
9504426	25'	2	1.38
9504427	30'	2	1.68
9504457	5'	3	0.35
9504458	10'	3	0.70
9504459	15'	3	1.05
9504454	20'	3	1.40
9504455	25'	3	1.75
9504456	30'	3	2.10
9504478	5'	4	0.90
9504479	10'	4	1.10
9504480	15'	4	1.30
9504481	20'	4	1.50
9504482	25'	4	1.85
9504483	30'	4	2.20

1-Section Switch Box Kit



- 3.35" x 2.20" x 1.53" black switch box • Switch box features easily adjustable bail mount • Heavy duty 10 Amp Switch • Momentary switches (on)-off-(on)
- Long bat handle switch for easy actuation • Switches are color coded • 3' wiring harness • 6' power cable • Shielded wire • 18 gauge wires • IP 69 Deutsch Connectors • 10 Amp fuse kit • Fuse kit includes instruction sheet

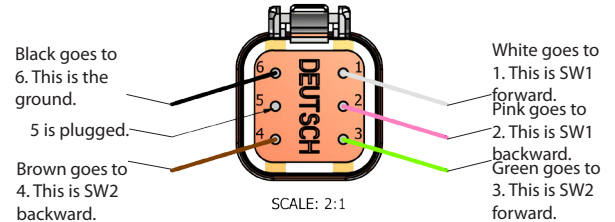


Stock Number	Description	Ship Wt.
9504432	Switch Box w/ Wiring Harness, (10) Cable Ties, & Fuse Kit	0.71
5058354	Female Deutsch Connector	0.02

2-Section Switch Box Kit



- 4.70" x 1.40" x 2.80" black switch box • Switch box features easily adjustable bail mount • Heavy duty 10 Amp Switch • Momentary switches (on)-off-(on)
- Long bat handle switch for easy actuation • Switches are color coded • 3' wiring harness • 6' power cable • Shielded wire • 18 gauge wires • IP 69 Deutsch Connectors • 10 Amp fuse kit • Fuse kit includes instruction sheet

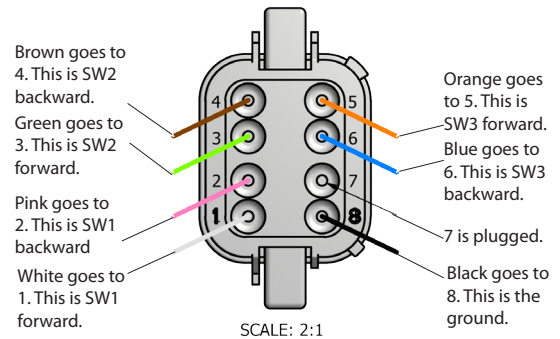


Stock Number	Description	Ship Wt.
9504433	Switch Box w/ Wiring Harness, (10) Cable Ties, & Fuse Kit	0.86
5058358	Female Deutsch Connector	0.02

3-Section Switch Box Kit



- 4.70" x 1.40" x 2.80" black switch box • Switch box features easily adjustable bail mount • Heavy duty 10 Amp Switch • Momentary switches (on)-off-(on)
- Long bat handle switch for easy actuation • Switches are color coded • 3' wiring harness • 6' power cable • Shielded wire • 18 gauge wires • IP 69 Deutsch Connectors • 10 Amp fuse kit • Fuse kit includes instruction sheet

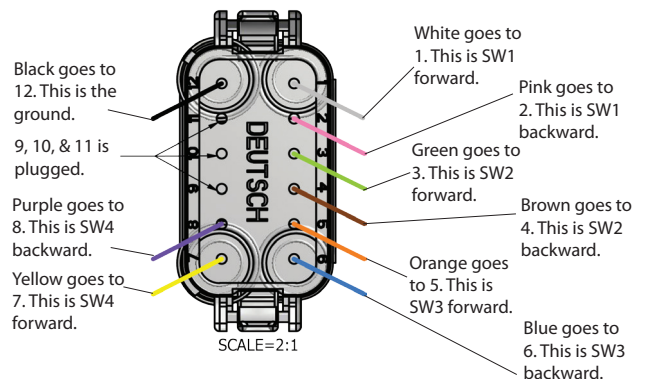


Stock Number	Description	Ship Wt.
9504434	Switch Box w/ Wiring Harness, (10) Cable Ties, & Fuse Kit	1.00
5056159	Female Deutsch Connector	0.05

4-Section Switch Box Kit



- 4.70" x 1.40" x 2.80" black switch box • Switch box features easily adjustable bail mount • Heavy duty 10 Amp Switch • Momentary switches (on)-off-(on)
- Long bat handle switch for easy actuation • Switches are color coded • 3' wiring harness • 6' power cable • Shielded wire • 18 gauge wires • IP 69 Deutsch Connectors • 10 Amp fuse kit • Fuse kit includes instruction sheet



Stock Number	Description	Ship Wt.
9504435	Switch Box w/ Wiring Harness, (10) Cable Ties, & Fuse Kit	1.24
5058910	Female Deutsch Connector	0.12

