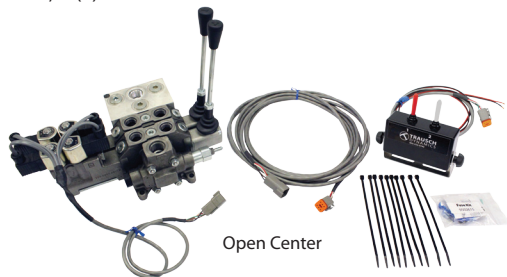


# 21 GPM 12 VDC ELECTRIC DIRECTIONAL VALVE W/ CONTROL KITS

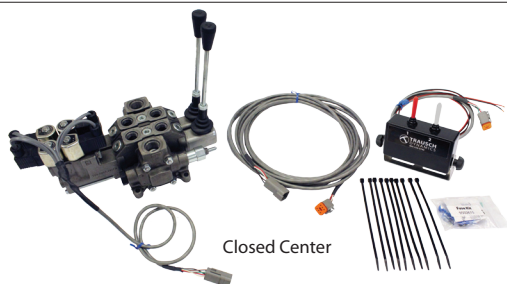


## Technical Information

• 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.



Open Center



Closed Center

### 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

## Wiring Harness



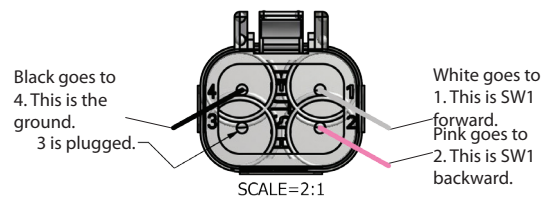
• Use these harnesses to extend the length from your switch box to your valve assembly • Shielded wire • 18 gauge wires • IP69 Deutsch Connectors

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

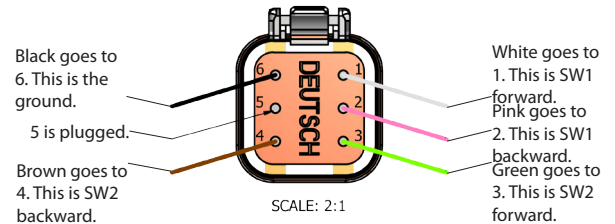


Stock Number	Description	Ship Wt.
9504432	Switch Box w/ Wiring Harness, (10) Cable Ties, & Fuse Kit	0.71
5058354	Female Deutsch Connector	0.02

## 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

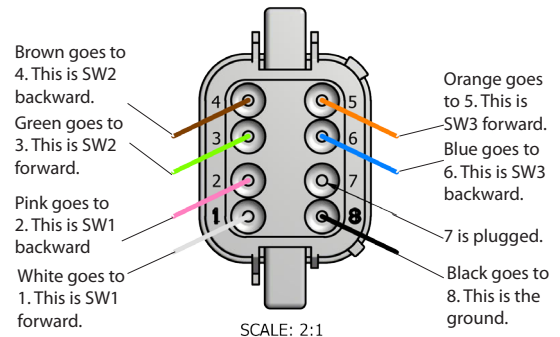


Stock Number	Description	Ship Wt.
9504433	Switch Box w/ Wiring Harness, (10) Cable Ties, & Fuse Kit	0.86
5058358	Female Deutsch Connector	0.02

## 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

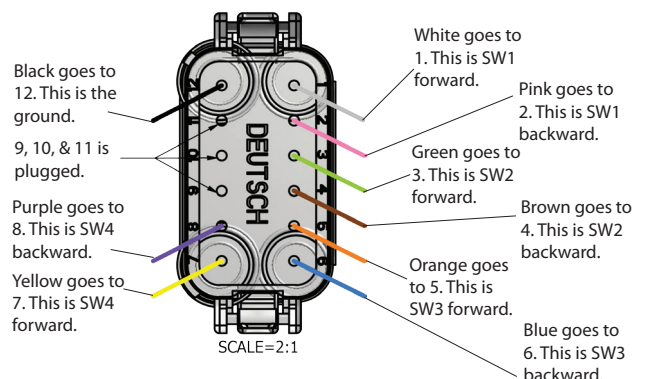


Stock Number	Description	Ship Wt.
9504434	Switch Box w/ Wiring Harness, (10) Cable Ties, & Fuse Kit	1.00
5056159	Female Deutsch Connector	0.05

## 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

