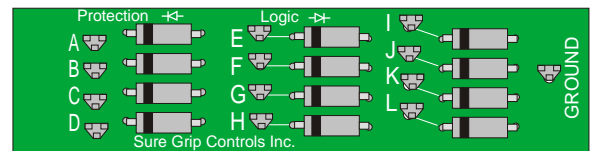
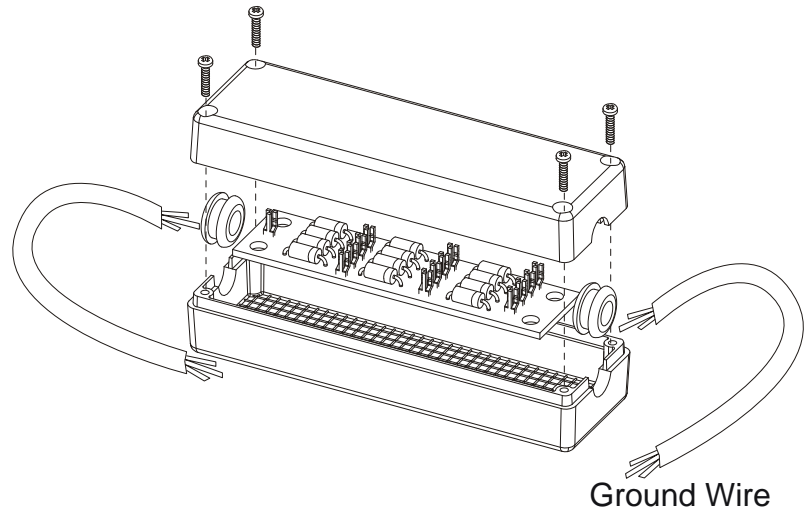


"In-Line" Diode Pack Technical Information

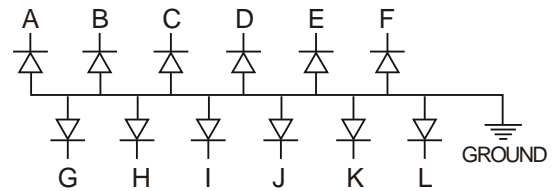
Model DP-12W (Wired Diode Pack)

The Sure Grip In-Line Diode Pack fits all handles or wiring harnesses to protect switches against destructive voltage surges. The In-Line Diode Pack provides efficient surge suppression protection for your control handle to ensure maximum switch life. Simple solder connections ensure trouble-free life and allow the Diode Pack to be installed anywhere on the wiring harness. A tough two piece molded case protects the diode board and makes installation quick and easy. Diode Boards are furnished with diodes to protect up to 12 switches. Special diode board configurations can be supplied that will operate a diverter valve or replace other relay logic. Consult factory for details.



Specification

- Case: measures 1" x 1" x 4.5" long
- Diodes: 2 amps continuous, 60 amps surge
- Wire Size: 18 - 24 gauge, stranded
- Model DP-12: for up to 12 switch functions
- Model DP-03: for up to 3 switch functions



Installation Notes:

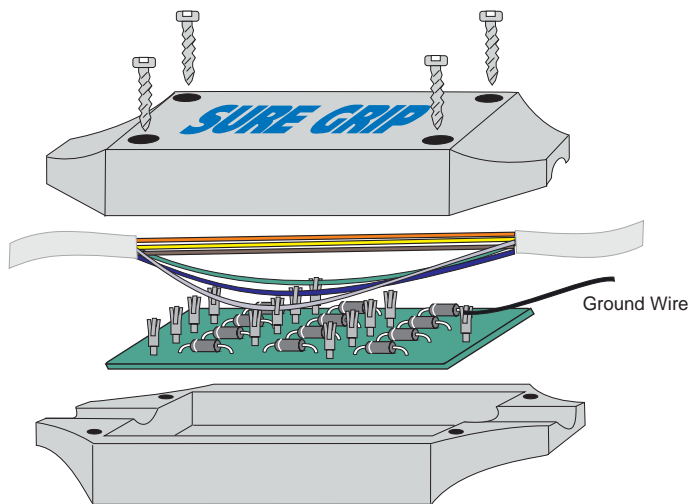
Diodes must be installed to protect switches from damaging inductive kickback produced by solenoid or relay coils when the switch is released (turned off).

The Diode Pack would typically be installed in a convenient location on the cable leading from the control handle. Being careful not to cut any of the wires, remove 3 1/2" of the outer jacket from the cable. Identify which wires are from the switches and lay them onto the circuit card. Mark the wires where they will be attached to the terminal posts.

Strip about 1/4" of insulation from the wires where they are marked. Insert the wires into the terminal posts and solder. (You can lightly crimp the wire into the terminal to help hold it in place while soldering.) Connect the ground lead to complete the installation.

"In-Line" Diode Pack Technical Information

Diode Pack Wiring Guide



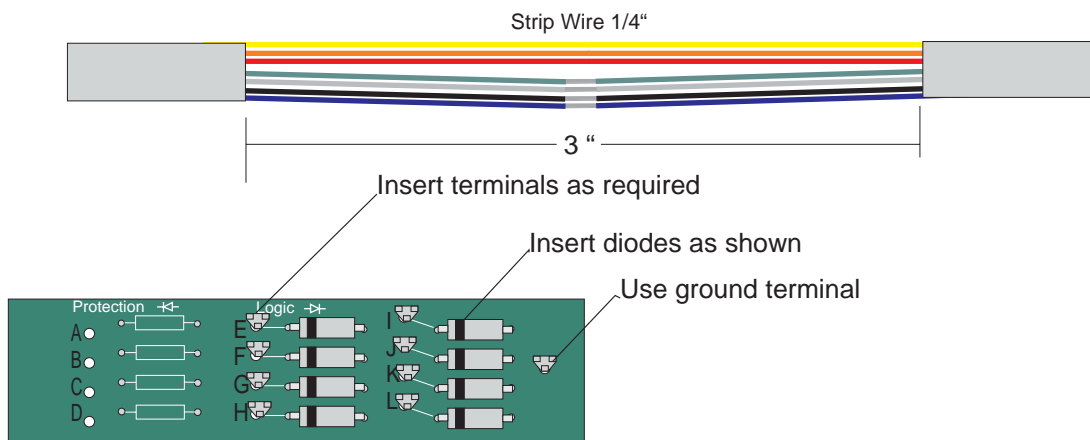
Use Press to insert terminals into diode board as required. Solder terminals and cut off excess terminal.

Install diodes as shown and solder. Cut off excess wire.

Unless specified otherwise, install diode pack 3 feet from Test End. Being careful not to cut any of the wires, **remove 3"** of the outer jacket from the cable. Identify which wires are from the switches and lay them onto the circuit card. Mark the wires with a felt pen where they will be attached to the terminal posts.

Using the hand wire stripper, strip about 1/4" of insulation from the wires where they are marked. Insert the wires into the terminal posts and solder.

A 3' black/white ground wire must be installed onto the ground terminal and exited out the case.



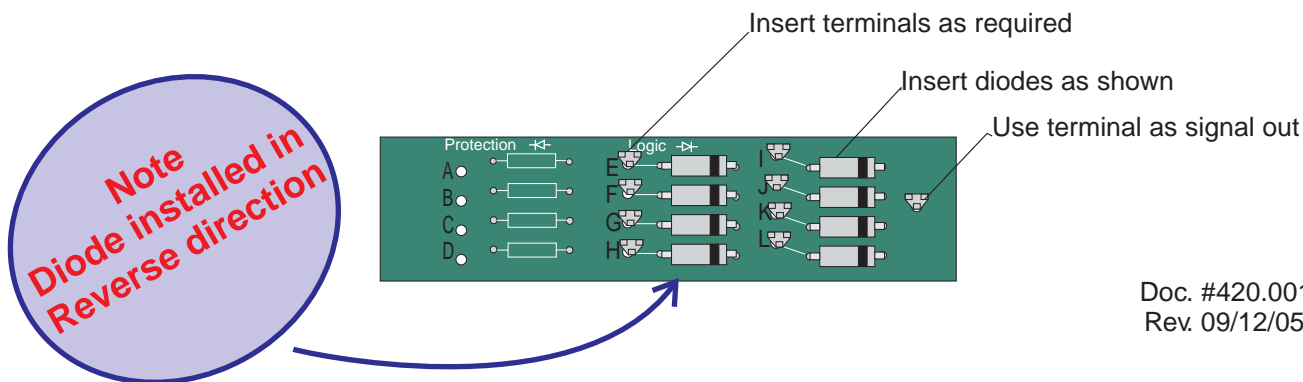
Diverter Valve Wiring Guide

Wiring Notes:

Install diodes reversed

Use "ground" terminal as common signal out to valve

Solder all signal wires from switches to diode terminals "A - L" as required.



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