16-Point Commoned Digital Output Term Panels

This section describes 16-point commoned digital output term panels, which are available in AC versions or DC versions, and with fuses or without fuses. Model numbers of these term panels are:

- 9661-610 (115 VAC, commoned, 16 pts.)
- 9661-910 (120 VDC, commoned, 16 pts.)
- 9662-610 (24 VDC, commoned, 16 pts.)
- 9662-810 (24 VDC, commoned, 16 pts.)
- 9663-610 (115 VAC, commoned, 16 pts.)
- 9664-810 (120 VDC, commoned, 16 pts.)
- 9667-810 (48 VDC, commoned, 16 pts.)

This figure represents a typical 16-point commoned DC digital output termination panel with fuses and blown-fuse indicators.

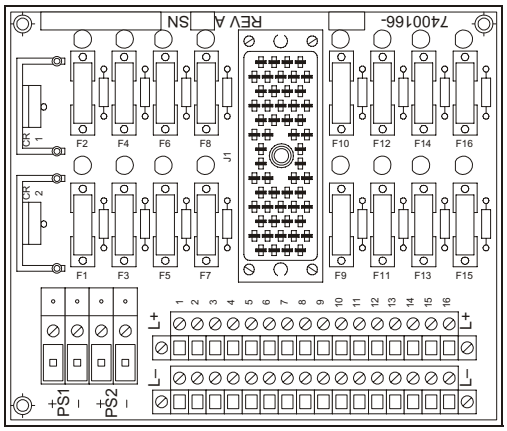


Figure 63 Typical 16-Point Commoned DC DO Term Panel with Fuses

This figure represents a typical 16-point commoned digital output panel without fuses.

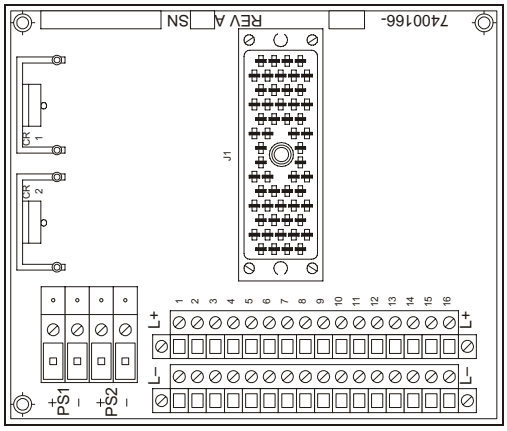


Figure 64 Typical 16-Point Commoned DO Term Panel without Fuses

This figure represents a typical 16-point commoned AC digital output termination panel with fuses and blown-fuse indicators for the 3601E module.

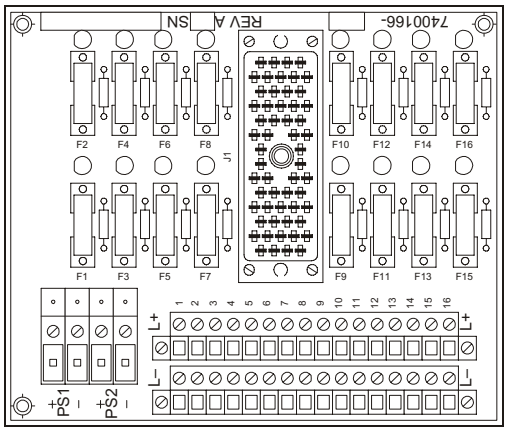


Figure 65 Typical 16-Point Commoned AC DO Term Panel with Fuses for 3601E

This figure represents a typical 16-point commoned AC digital output termination panel with fuses and blown-fuse indicators for the 3601T module.

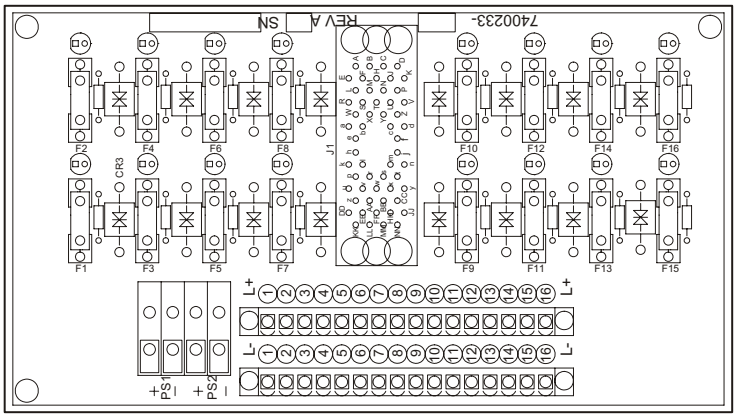


Figure 66 Typical 16-Point Commoned AC DO Term Panel with Fuses for 3601E or 3601T

9661-610 (115 VAC, commoned, 16 pts.)

Termination panel 9661–610 is compatible with 115 VAC digital output modules and has 16 load terminals and commoned power terminals (PWR+ and PWR–). Each output point is protected by a fuse with a blown-fuse indicator.

Specifications

This table describes specifications for 9661–610.

Table 63 Specifications for Term Panel 9661-610

Feature	Description
Panel type	Commoned
Points	16
Maximum total current	30 amps

Compatible Modules

This table describes digital output modules compatible with 9661–610.

Table 64 Modules Compatible with 9661-610

Module Part Number	Points per Module	Module Description	Primary Fuse
3601E	16	115 VAC, non-commoned, opto-isolated, TMR	3A, fast

Field Wiring Diagrams

This figure illustrates how to connect the 16-point AC digital output module 3601E and a 9661–610 to the field.

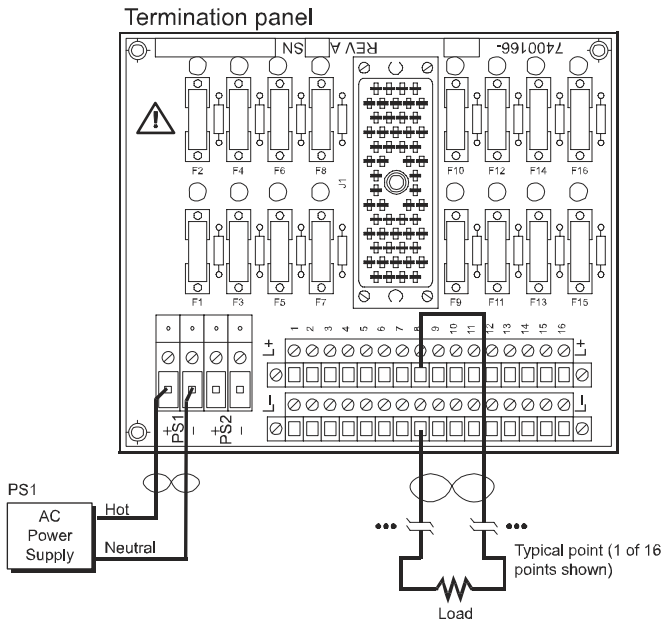
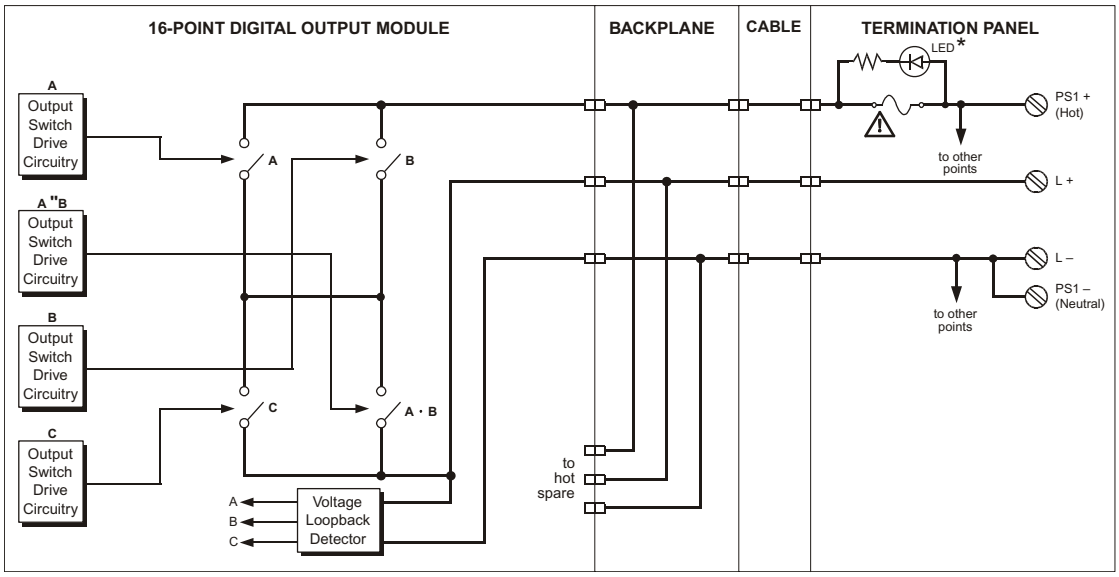


Figure 67 Field Wiring for 9661-610 with a 3601E Module

Simplified Schematics

This is a simplified schematic of a typical 16-point non-commoned AC digital output module with a commoned digital output panel (1 of 16 points shown).



* LEDs are blown-fuse indicators

Figure 68 Simplified Schematic of a 3601E DO Module with a Commoned DO Panel

9661-910 (120 VDC, commoned, 16 pts.)

Termination panel 9661–910 is compatible with 120 VDC digital output modules and has 16 load terminals and commoned power terminals (PWR+ and PWR–). Each output point is protected by a fuse with a blown-fuse indicator.

Specifications

This table describes specifications for 9661–910.

Table 65 Specifications for Term Panel 9661-910

Feature	Description
Panel type	Commoned
Points	16
Maximum total current	16 amps

Compatible Modules

This table describes digital output modules compatible with 9661–910.

Table 66 Modules Compatible with 9661-910

Module Part Number	Points per Module	Module Description	Primary Fuse
3603E	16	120 VDC, commoned, opto-isolated, TMR	1A, fast
3623	16	120 VDC, commoned, supervised, opto-isolated, TMR	1A, fast

Field Wiring Diagrams

This figure illustrates how to connect a 16-point DC digital output module and a 9661–910 to the field (1 of 16 points shown).

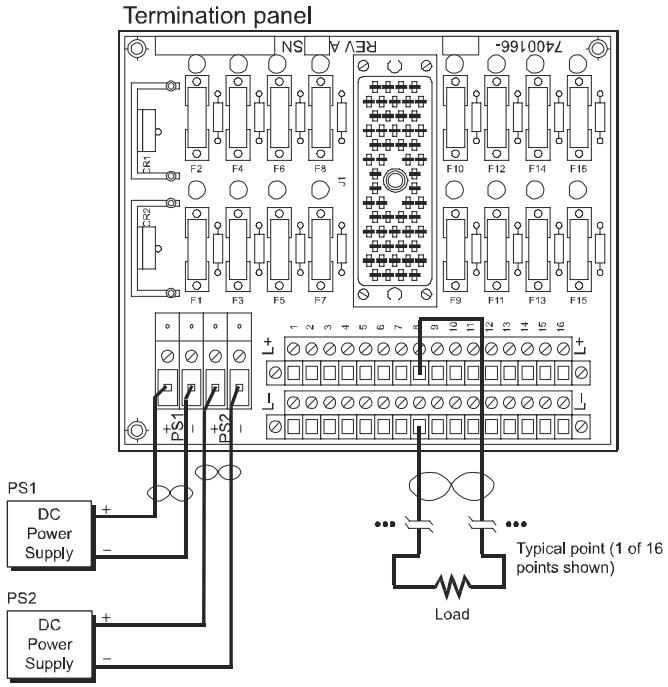
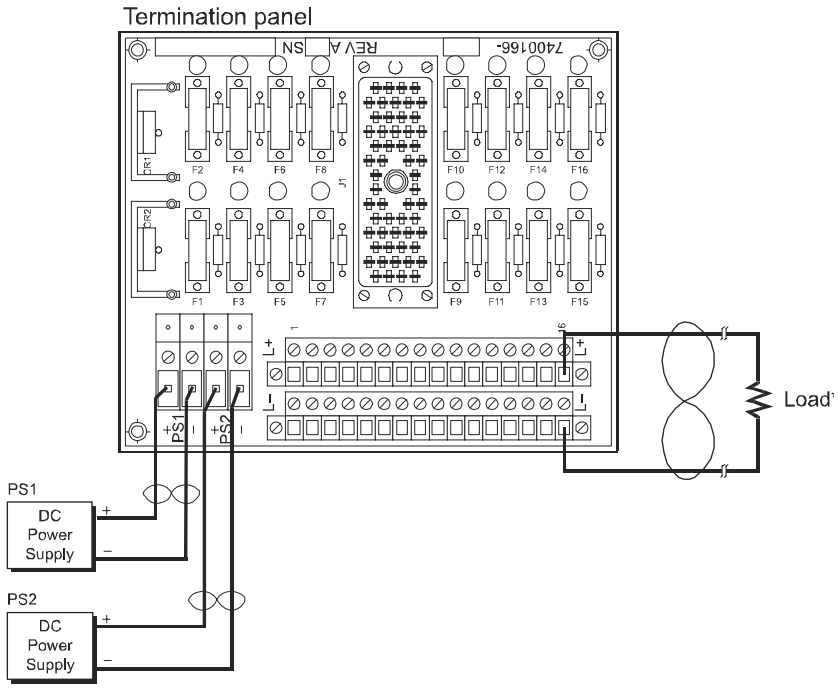


Figure 69 Field Wiring for 9661-910 with a 3603E Module

This figure illustrates how to connect the 16-point supervised DC digital output module 3623 and a 9661–910 to the field (8 of 16 points shown).

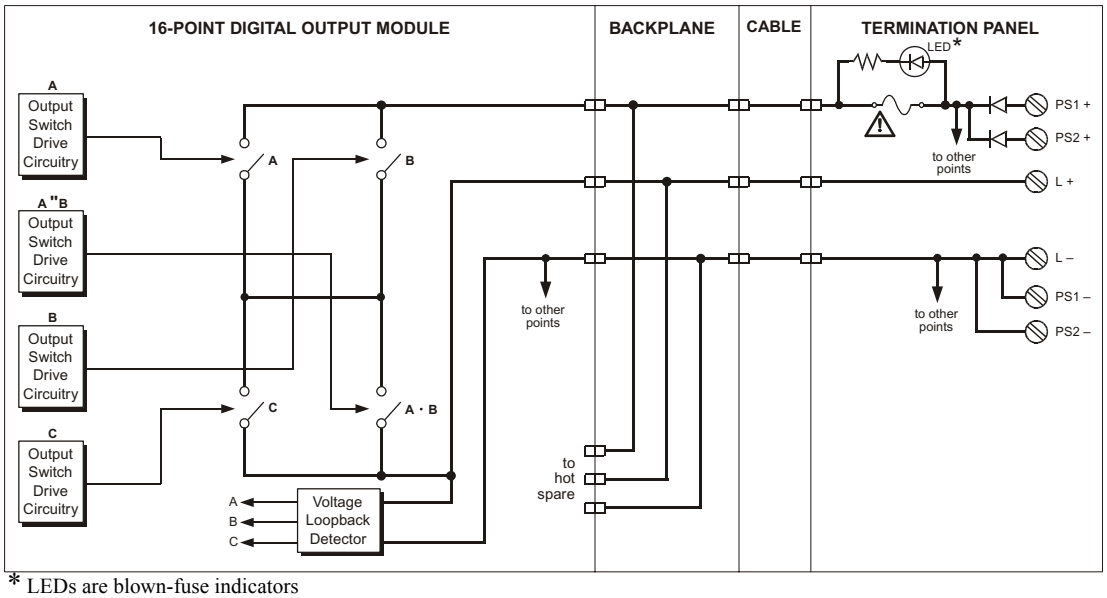


* A load must be installed at every point to prevent a missing-load alarm. If a field load is not available, install a 2.2k ohm, 10W load resistor.

Figure 70 Field Wiring for 9661-910 with a 3623 Module

Simplified Schematics

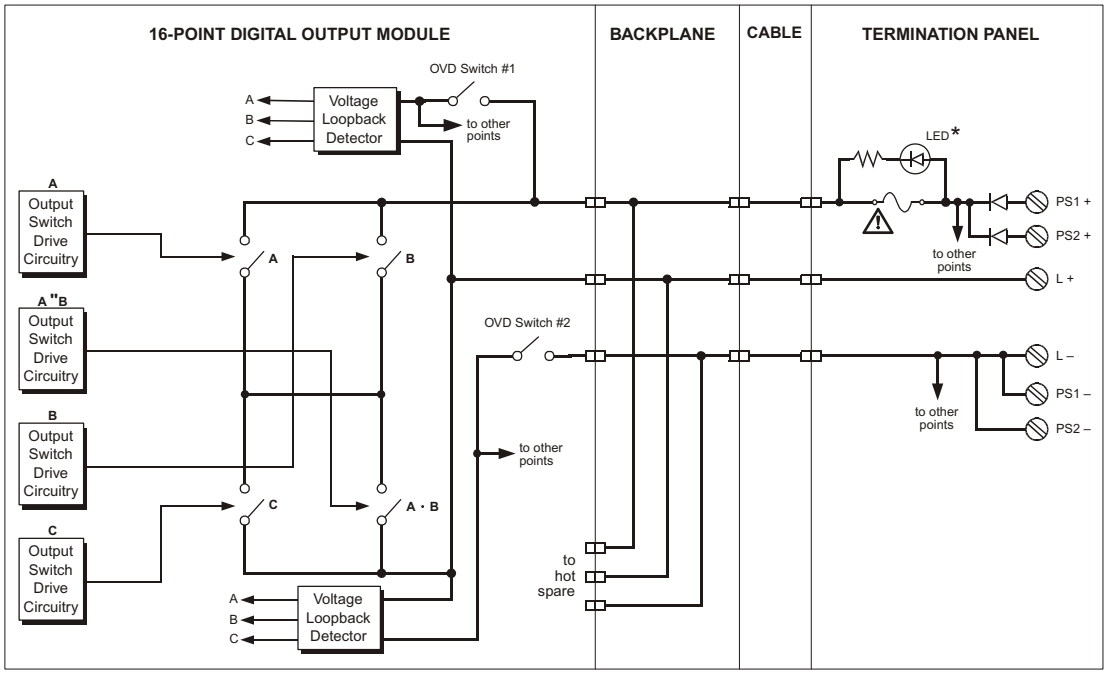
This is a simplified schematic of a typical 16-point commoned DC digital output module with a commoned digital output panel (1 of 16 points shown).



* LEDs are blown-fuse indicators

Figure 71 Simplified Schematic of a 3603E DO Module with a Commoned DO Panel

This is a simplified schematic of a typical 16-point commoned supervised DC digital output module with a commoned digital output panel (1 of 16 points shown).



* LEDs are blown-fuse indicators

Figure 72 Simplified Schematic of a 3623 DO Module with a Commoned DO Panel

9662-610 (24 VDC, commoned, 16 pts.)

Termination panel 9662–610 is compatible with 24 VDC digital output modules and has 16 load terminals and commoned power terminals (PWR+ and PWR–).

CAUTION Use termination panel 9662-610 with self-protected modules only.

When using 32-point modules, you must use two term panels for each digital output module. Each term panel comes with two sets of labels: 1-16 and 17-32. For information on how to apply the labels, see Appendix F, Panel Labels.

Specifications

This table describes specifications for 9662–610.

Table 67 Specifications for Term Panel 9662-610

Feature	Description
Panel type	Commoned
Points	16
Maximum total current[1]	16 amps

1. When the 9662-610 panel is used with the Model 3625 DO Module, the maximum total current is 10 amps per termination panel to limit the power dissipation of the module.

Compatible Modules

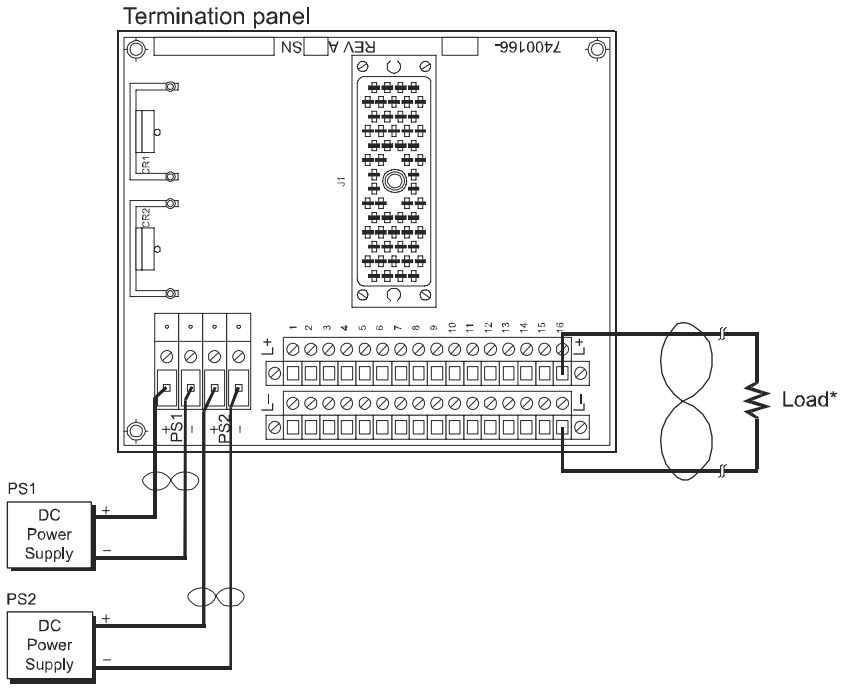
This table describes digital output modules compatible with 9662–610.

Table 68 Modules Compatible with 9662-610

Module Part Number	Points per Module	Module Description
3624	16	24 VDC, commoned, supervised, opto-isolated, self-protected, TMR
3625	32	24 VDC, commoned, supervised/non-supervised, opto-isolated, self-protected, TMR
3664	32	24 VDC, commoned, opto-isolated, self-protected, dual
3674	32	24 VDC, commoned, opto-isolated, self-protected, dual

Field Wiring Diagrams

This figure illustrates how to connect a 16-point or 32-point supervised DC digital output module with self protection and a 9662-610 to the field (1 of 16 points shown).



* When using a Model 3624 or 3625 module, a load must be installed at every point to prevent missing-load alarm. If a field load is not available, install a 470 ohm, 10 W load resistor.

Figure 73 Field Wiring for 9662-610 with a 3624 or 3625 Module

This figure illustrates how to connect a 32-point DC dual digital output module with self protection and a 9662-610 to the field (1 of 32 points shown).

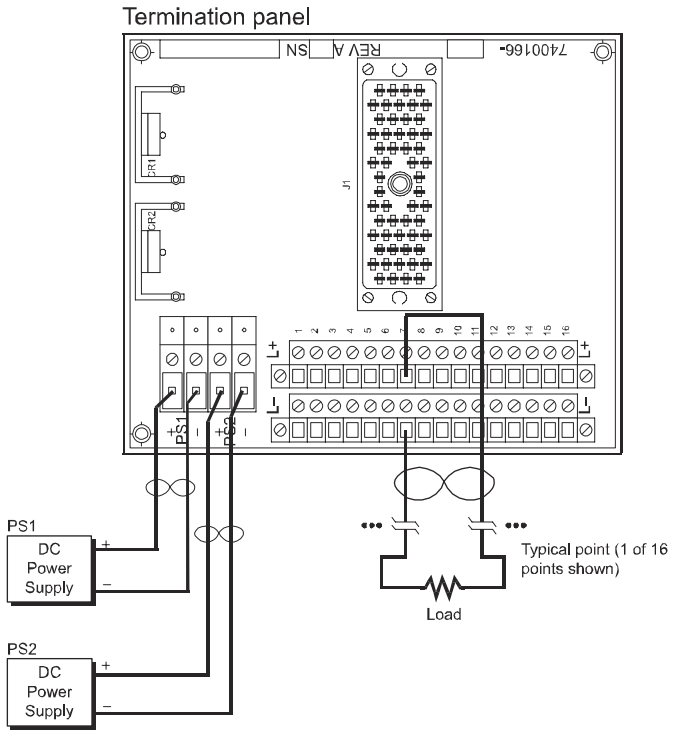


Figure 74 Field Wiring for 9662-610 with a 3664 or 3674 Module

Simplified Schematics

This is a simplified schematic of a typical 16-point commoned DC digital output module with self protection and a commoned digital output panel (1 of 16 points shown).

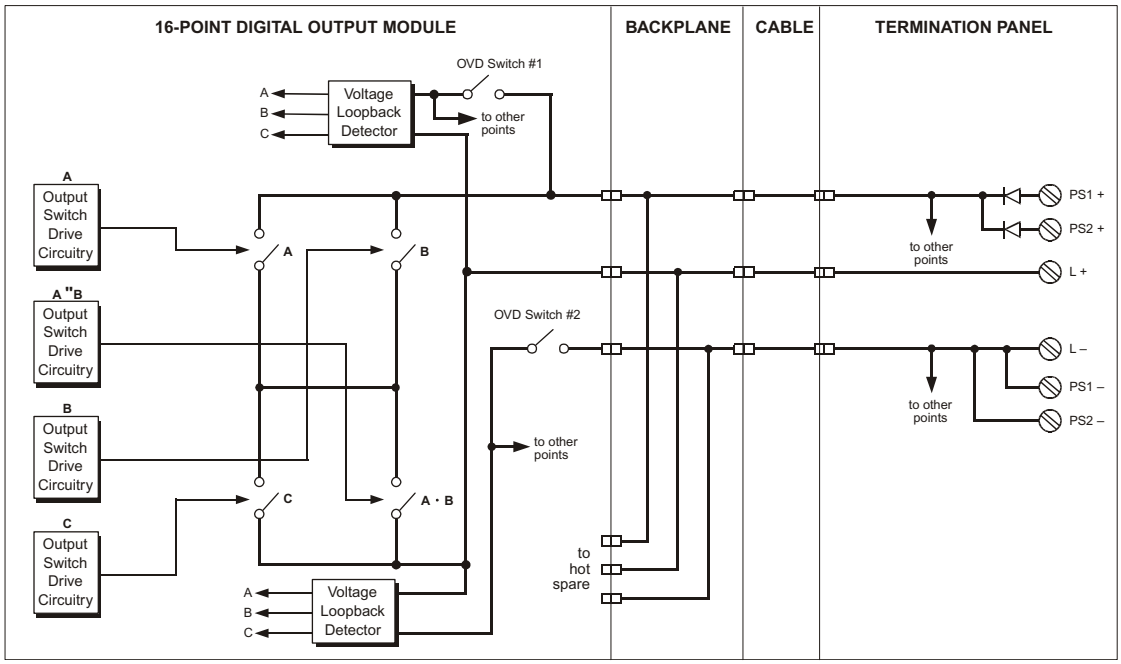


Figure 75 Simplified Schematic of a 3624 DO Module with a Commoned DO Panel

This is a simplified schematic of a typical 32-point commoned DC digital output module with self protection and a commoned digital output panel (1 of 32 points shown).

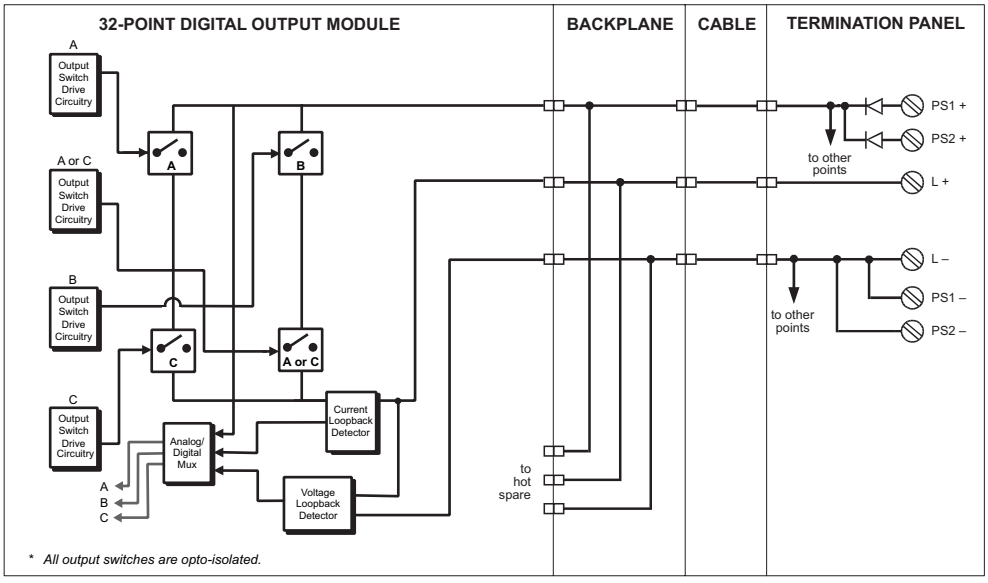


Figure 76 Simplified Schematic of a 3625 DO Module with a Commoned DO Panel

This is a simplified schematic of a typical 32-point commoned dual DC digital output module with self protection and a commoned digital output panel (1 of 16 points shown).

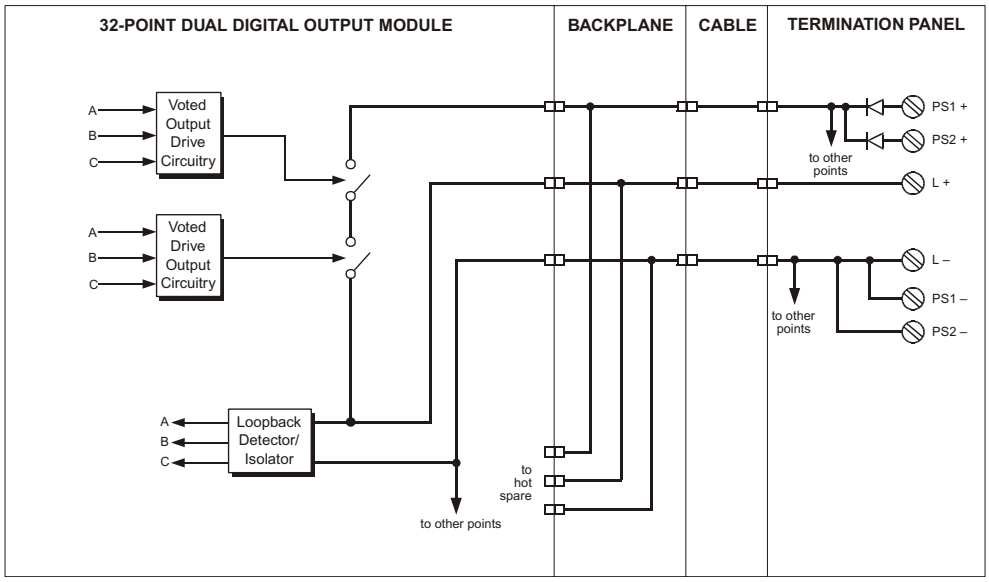


Figure 77 Simplified Schematic of a 3664 or 3674 DO Module with a Commoned DO Panel

9662-810 (24 VDC, commoned, 16 pts.)

Termination panel 9662–810 is compatible with 24 VDC digital output modules and has 16 load terminals and commoned power terminals (PWR+ and PWR–). Each output point is protected by a fuse with a blown-fuse indicator.

Specifications

This table describes specifications for 9662–810.

Table 69 Specifications for Term Panel 9662-810

Feature	Description
Panel type	Commoned
Points	16
Maximum total current	16 amps

Compatible Modules

This table describes digital output modules compatible with 9662–810.

Table 70 Modules Compatible with 9662-810

Module Part Number	Points per Module	Module Description	Primary Fuse
3604E	16	24 VDC, non-commoned, opto-isolated, TMR	2.5A, fast

Field Wiring Diagrams

This figure illustrates how to connect the 16-point DC digital output module 3604E and a 9662-810 to the field (1 of 16 points shown).

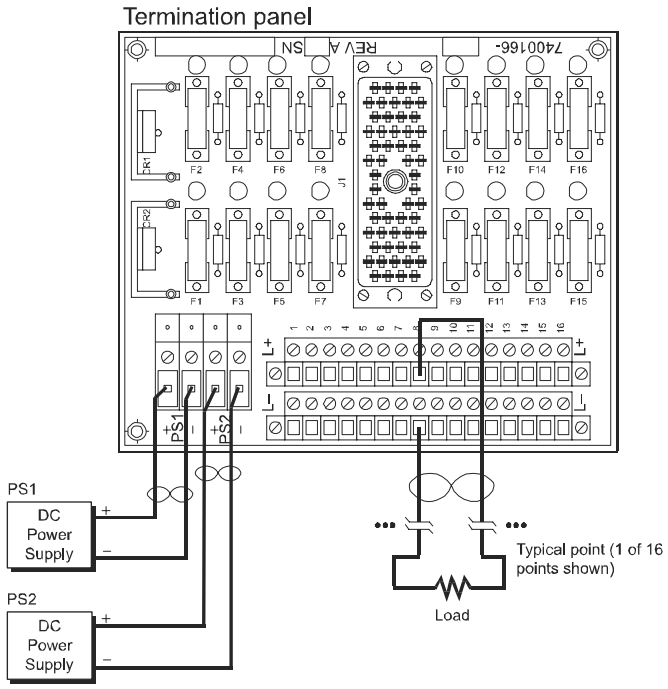


Figure 78 Field Wiring for 9662-810 with a 3604E Module