

DUAL DC OUTPUT MODULE

24VDC 2.0 AMP M/N 45C63

115VDC 2.0 AMP M/N 45C65

250VDC 1/2 AMP M/N 45C68

DESCRIPTION

The Dual DC Output Module contains the necessary circuitry to provide two individually isolated outputs to motor starters, solenoids, logic devices, or other control devices. The module converts the low level logic signal into power outputs, by driving a FET device to switch a load.

The two switched outputs can be from separate power sources. A fuse is provided in each output, for overload protection. Electrical isolation of the output signal from the logic is accomplished by use of an isolation transformer.

Filtering is provided at the output switch and the logic circuitry to prevent noise from affecting the module operation. The output filter is made up of a capacitor and MOV.

Two LED indicators are provided for each output channel. The yellow LOGIC indicator will be illuminated when a command has been issued to turn the output on. The red FUSE indicator will be illuminated when the fuse is blown and the output is commanded to be on. Simply by observing the LED's it can be determined that the output is being commanded to energize and that the output fuse is not blown.

User's field wiring connects to the terminal strip on the I/O Rail (Refer to Figure 2 for example of Field Wiring). "B" Terminal is positive and the "A" Terminal is negative.

NOTE: If the working voltage is less than 83 volts for M/N 45C65 or 18V for M/N 45C63, the fuse indicator will not illuminate when the fuse is blown.

A stick on label is provided with each module to identify the type of module. The label is affixed to the right hand side of the terminal strip by the User. When the label is installed and the module is removed, the label will be visible and will identify the type module that needs to be replaced.

SPECIFICATIONS

Outputs per module	:	2 Channels
Output module location	:	I/O Rail
Ambient Temp. Range	:	0 to 60°C (Operational) - 20 to 85°C (Storage)
Humidity Rating	:	0-95% Non-Condensing
Minimum Load Current	:	0.001 amps

	45C63	45C65	45C68	
Nominal DC Voltage	24	120	250	Volts
Working DC Voltage Range (Note 1)	15-30	83-140	140-275	Volts
Allowable Peak Voltage Due to Overshoot	100	300	600	Volts
Max. Continuous Output Current	2.0	2.0	0.5	AMPS
Power Dissipation @ Max Temp. & Current	2.6	3.8	1.8	WATTS
Fuse Rating	3	3	1	AMP (3AG)
Allowable Surge Currents @				
.1 sec	8	8	1.5	AMPS
.2 sec	6	6	1.2	AMPS
.5 sec	4	4	1.0	AMPS
Max. On State Impedance	0.64	1.0	7.2	OHMS
Max. Off State Leakage @ Peak Voltage	1.0	1.0	4.0	ma
Isolation				
Power to Logic	1800	1800	2600	Vpeak
Power to Ground	1500	1500	2600	Vpeak

NOTE: The minimum voltage is based on the fuse LED being visible. Lower voltages can be used without damage or loss of switching

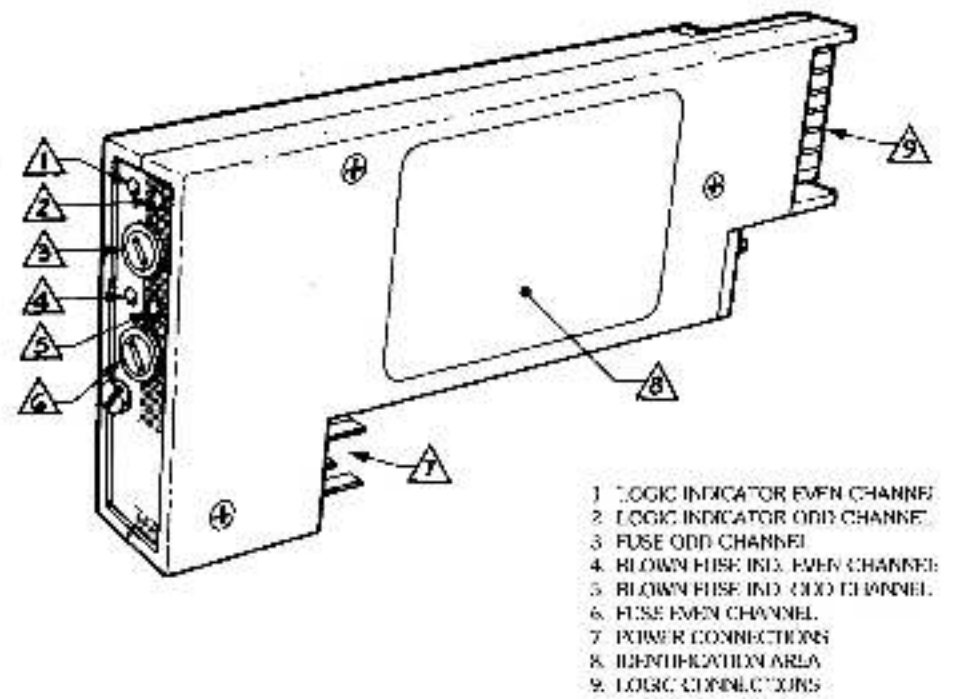


Figure 1

