



MULTI PURPOSE SWITCH CONTROL

INSTALLATION INSTRUCTIONS AND OWNER'S MANUAL

SPECIFICATIONS • OPERATIONS • ADJUSTMENTS



PART NO. 38T39815

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MULTI-PURPOSE SWITCH FEATURES

- Excellent electrical control solution for lights, hydraulic valves, etc.
- Compact Switch Control
- Switches are backlit green and change to red to indicate “on”
- Switches can be individually set for momentary or latched operation
- Heavy wiring connects to the Power Distribution Center and does not need to come in the truck cab
- Individual circuit protection
- Faults are displayed on the switch control and the Power Distribution Center
- Audible alert for switch operations and faults
- Option to install more than one switch control for the same Power Distribution Center
- One switch can be set to sequence all other switches set to latch operation
- One switch can be set for a 10 second Timer function
- High current capacity
 - (5) 20 amp circuits
 - (1) 30 amp circuit
 - Total maximum 100 amps

ELECTRICAL SPECIFICATIONS

Operating Voltage.....	9-16 VDC
Operating Temperature	-20° to 160° F -30° to 70° C
Current Draw (ignition off)	60mA (typical)
Max Relay Current Output.....	One 30A & Five 20A
Max Total System Current.....	100A
Sequence ON Time.....	0.75 Second Intervals
Sequence OFF Time.....	0.50 Second Intervals

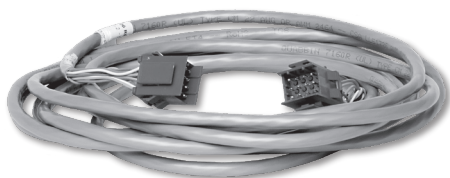
CONTROLLER DIMENSIONS

Width	4.0 in.
Height.....	2.75 in.
Depth.....	1.0 in.

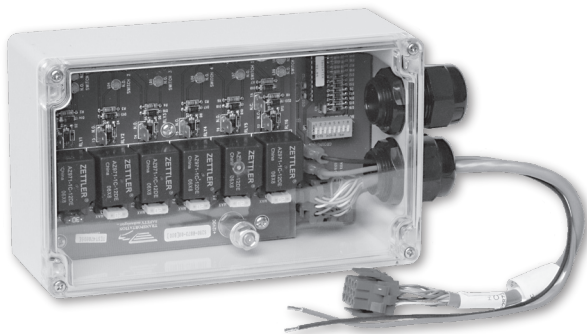
SYSTEM COMPONENTS



CONTROL

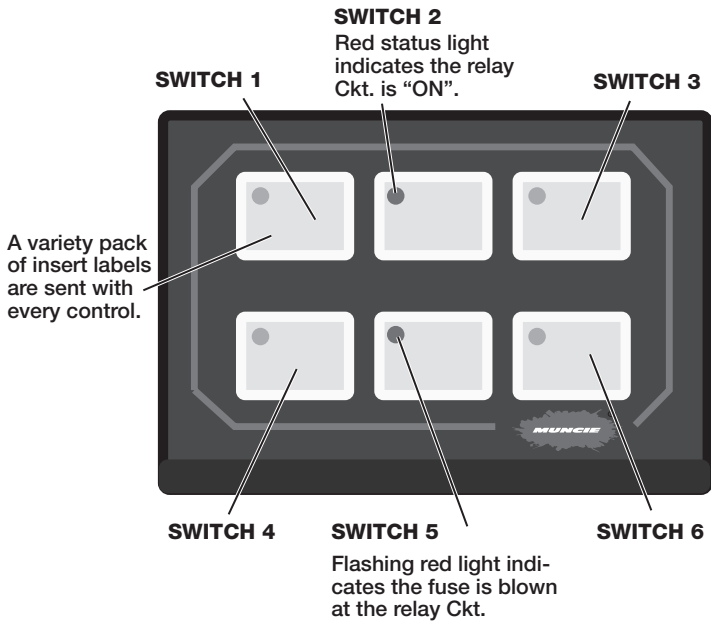


CABLE ASSEMBLY

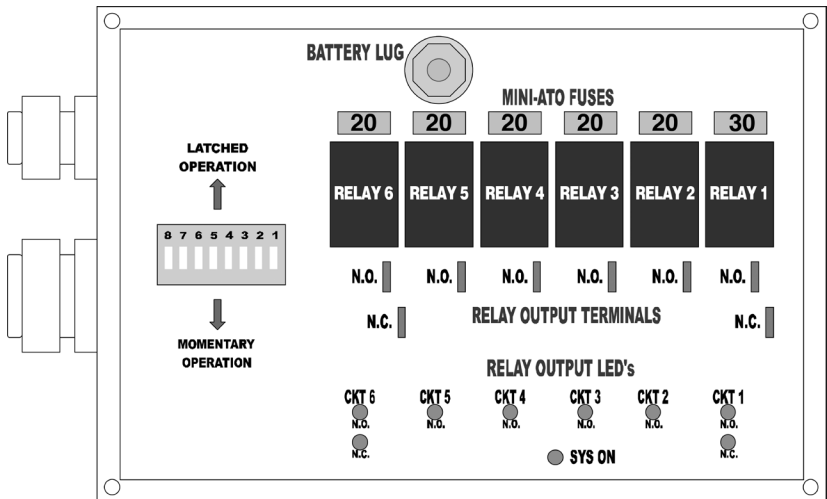


PDC- POWER DISTRIBUTION CENTER

SWITCH CONTROL IDENTITIES

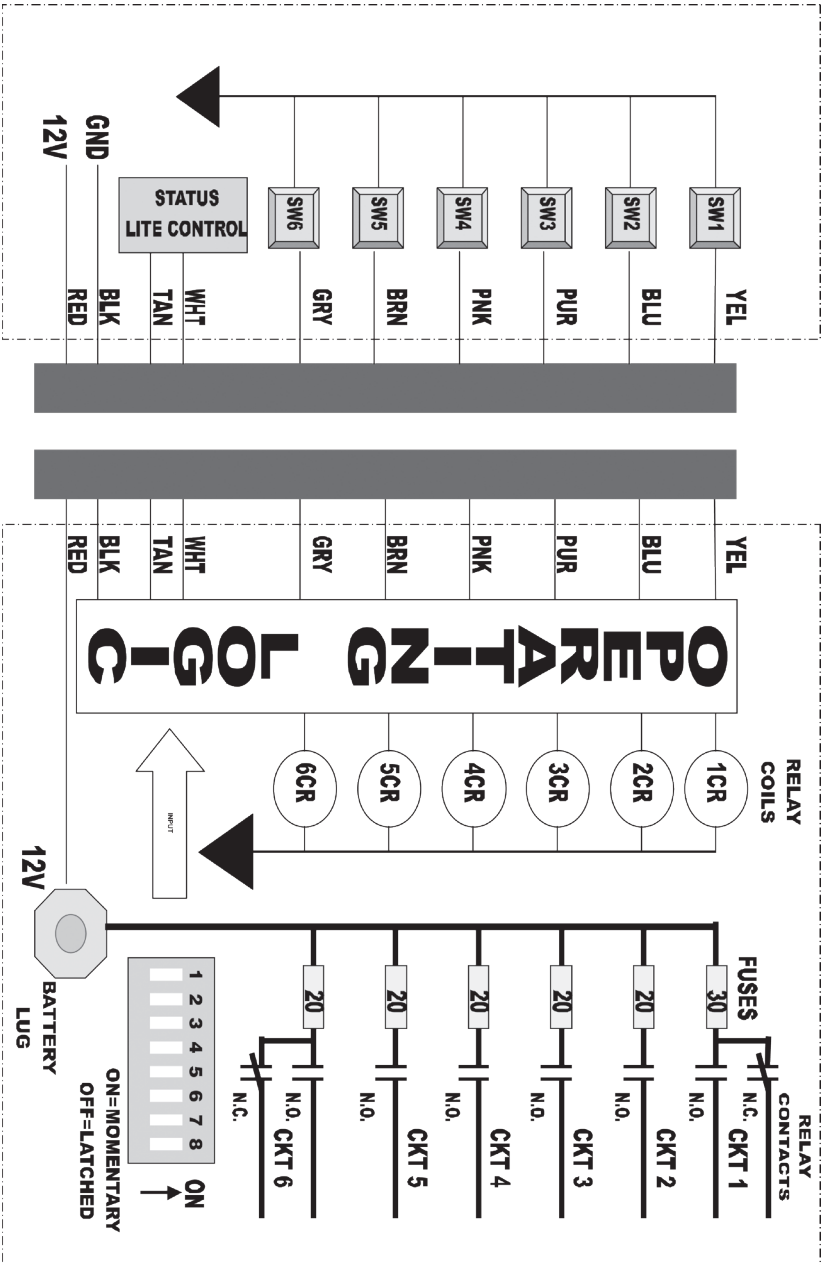


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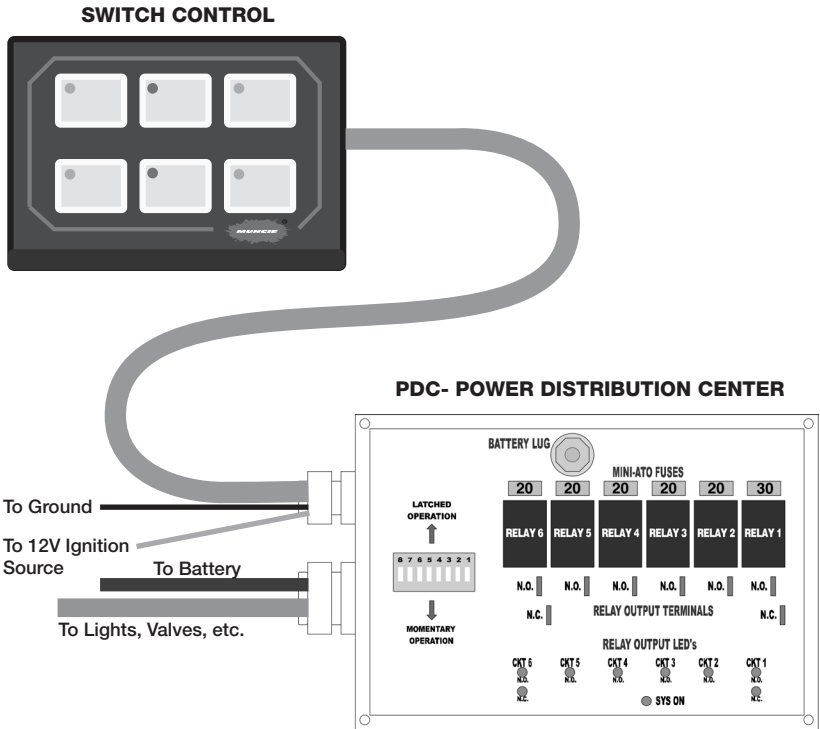


For installation of a light or valve, connect to the N.O. relay output terminal.

ELECTRICAL BLOCK DIAGRAM

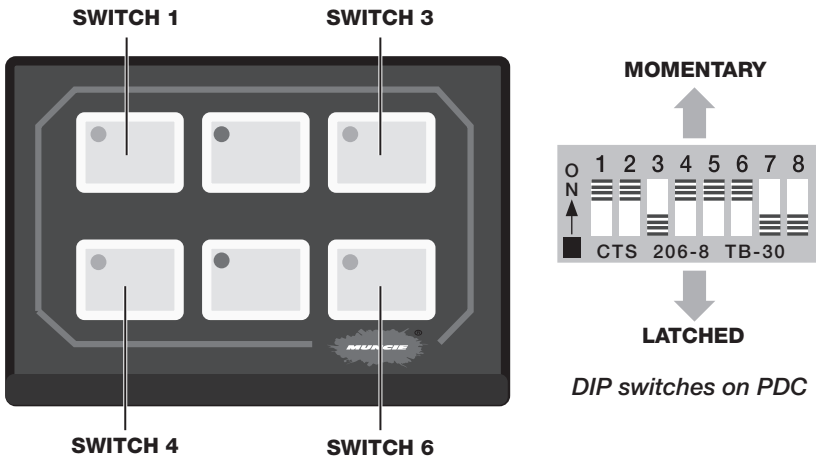


WIRING & CABLE CONNECTIONS



- **ORANGE WIRE**—This should connect to an ignition-on switch. This will ensure the system is powered down when the ignition is “off”. Less than 1 amp is drawn on this wire.
- **BLACK WIRE**—This is the ground for the system. It requires a solid connection to the chassis ground circuit.
- **BATTERY LUG**—Connect to a 12V battery connection using a wire gauge able to support the total amperage of all circuits. Fusing or a circuit breaker is recommended at the battery connection
- **SYSTEM INTERCONNECT HARNESS**—The 15ft. harness provided connects the PDC with the switch control. If a longer harness is required, contact Muncie. Wye adapters are available to connect a second switch control for operation from two locations- contact Muncie.
- **RELAY OUTPUTS**—Wire connections to the relay outputs are made with 0.25” spade terminals.

MOMENTARY OR LATCHED OPERATION



- Each control switch can be set for momentary or latched operation. Momentary means a relay output will occur only while that switch is depressed. Latched means a relay output will continue after the switch is released and will reset to off when the switch is depressed again.
- Setting the control switches for momentary or latched operation is done by selecting the DIP Switches (1-6) located in the PDC. The DIP Switches are numbered to correspond to the control switches.
- DIP Switch 7 provides a special function (10 second timer) for control switch 6 and relay 6. When DIP Switch 7 is set “on”, control switch 6 will activate relay 6 for 10 seconds and then turn off. Depressing control switch 6 during the 10 second interval will reset the timer.
- DIP Switch 8 can be set to “on” to establish control switch 1 as a sequence master. Depressing control switch 1 will sequence all of the relays “on” in order 1-6. Depressing control switch 1 again will sequence all of the relays “off” in reverse order 6-1.



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