4 X AUTO FUSE & 3 X MIDI FUSE PDM

TERRA POWER SYSTEMS

Littelfuse

The 880076 SL series integrated fuse block is designed to power to 3 x switched high-amp circuits using either a remote switch or the manual switch on the block. This block also includes 4 x low-amp always- on circuits to power loads like clock, alarms etc. All 7 x output circuits are fuse protected. Power is output via 3 studs (high-amp circuits) or a single 4 wire connector (low-amp circuits).



Power Distribution Module
(P/N: 880076)

Part Number	Description
880076	Power Dist Module with Remote & Manual On/Off Switch
880092	Illuminated Remote Control Switch SPDT (On)Off(On)
MX150FK6	6 Way Remote Switch Connector Kit. Terminals included.
XTCK4	4 Way Plug Connector Kit. Terminals included.

Voltage: 32VDC (limited by fuses).
Switch Continuous Ampere Rating: 300A at 85°C, 240A at 105°C
Switch Cranking Rating: 10 sec. 1000A
Max Operating Ampere Per Block: 240A (Midi fuse), 50A (Auto fuse)
Max Operating Ampere Per Circuit: 170A (Midi fuse), 20A (Auto fuse)
Minimum Input Cable Size*: 4/0 AWG (120mm²)
Minimum Output Cable Size (Midi)*: 2/0 AWG (70mm²)
Fuse Ampere Ratings: 30A-200A (Midi fuse), 1A-20A (Auto fuse)
Studs: Tin-plated copper, M8 x 1.25
Midi Fuse Screws: M5 x .8 x 10
Hardware: Stainless steel
Operating Temperature: -50°C to 105°C
Module Contents: Includes cover with gasket.
Mounting: Mount as close as possible to the battery, but not above vented lead acid batteries. Mount in a dry protected location. Where possible mount in a vertical orientation. Unit must not be mounted upside down.
IP Rating: IP59K / IP66
Ignition Protected: SAE J1171, ISO 8846
Dimensions: 146 x 122 x 73mm
Notes: Auto fuses & Midi fuses and 2 x connectors are not included.
*Minimum size required to meet maximum operating ratings.
Do not switch the remote control switch to off while the engine is running.
The unit is designed to be controlled by the remote switch.

880092 Remote Control Switch



Switching: Momentary SPDT (On)-Off-(On)
Temperature Range: -40°C to 85°C.
Illumination: LED rated 100,000 hours half-life.
IP Rating: IP67
Mounting Hole: 36.9 mm x 21.0 mm
Minimum Cable Size: 18 AWG (1.5mm²)

MX150FK6 Remote Switch Connector Kit



Molex MX150 Sealed Connector
Insulation Diameter: 14 AWG UTX 2.49mm O.D. to 22 AWG TXL.
Included Terminals: 33012-3001

Remote Switch Connector Bulk Terminals

Molex MX150 Female Mat Sealed
Material: Tin plated copper alloy

Part Number	Wire (AWG)	Wire (mm²)
33012-3003	#22	0.35
33012-3002	#20 - #18	0.5 - 0.8
33012-3001	#16 - #14	1.5 - 2.5

RELATED PRODUCTS:



Auto fuse 32V & 58V

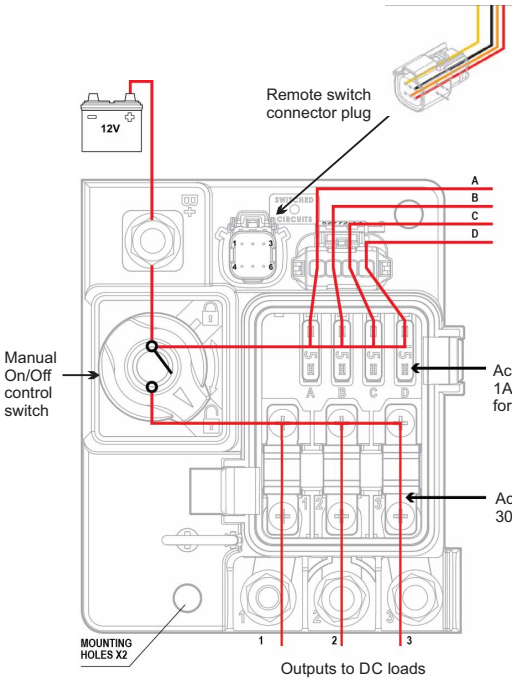


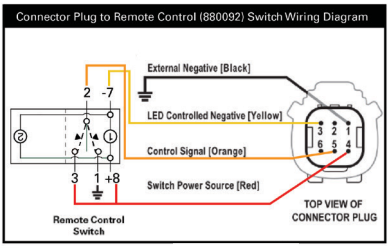
Midi fuse 32V & 58V



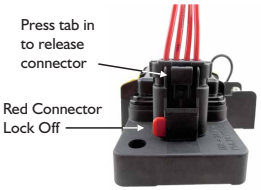
4 Way Connector Plug Kit
(P/N: XTCK4)
Please refer to page 4.

Circuit Diagram





880092 Switch Notes:
ON button switches terminals 2 & 3.
OFF button switches terminals 1 & 2.



Connector fitted to unit.



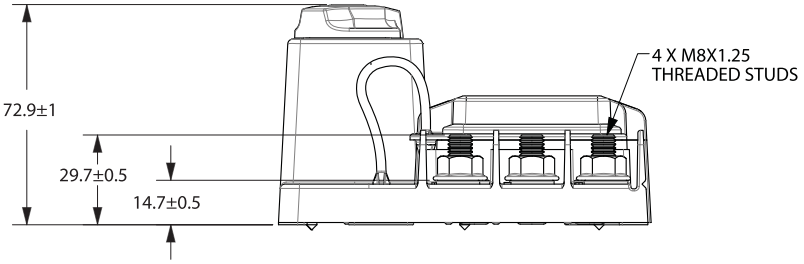
Connector cannot be removed if lock is engaged.

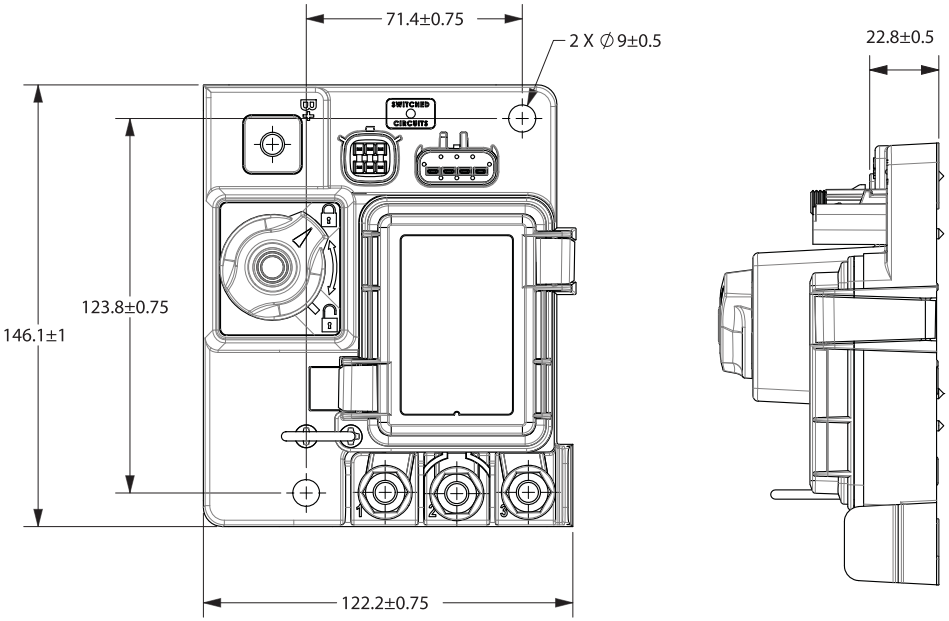
Manual Control Override Operations

Battery bank and high-amp switched circuits 1,2, and 3 only:

ACTION	OPERATION	
To switch the SL PDM **ON**	Turn manual control knob to the **ON** position and push button until latched.	
To switch the SL PDM **OFF**	Rotate manual control knob to the **OFF** (red) position (switch contacts open).	
To switch the SL PDM back to **READY**	Rotate manual control knob back to the **ON** position.	
To prevent remote operation of the SL PDM for **SERVICE SHUT OFF**	Rotate manual control knob to the **OFF** (red) position.	

Dimensions





Dimensions are in MM

4 WAY SEALED CONNECTOR KIT

Part Number	Description
XTCK4	4 Way Connector kit includes connector & terminals.
CT-P78	Terminal Crimp Tool



Cable Size: #16 to #14 (1 to 2mm²)
Max Insulation Diameter: 2.77mm
Terminal Material: CuTeSn/CuBe, Tin plated

Assembly Instructions:



Step 1. Gently pry the cable cover off using a small flat head screw driver.



Step 2. Remove the lubricated silicone seal using a small pin or paperclip.



Step 3. Insert wires through cable cover and silicone seal.



Step 4. Crimp terminal to wire. Repeat for each of the 4 cables.



Step 5. Crimp terminal to insulation. Repeat for each of the 4 cables.



All terminals now crimped onto cables.



Step 6. Insert terminals into connector, fit the seal and lock the cover into place.



Step 7. Press the blue terminal lock back into the connector, so it clicks into place.