

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).



NEW
IP59K

**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)
MXI50FK6	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)



RELATED PRODUCTS:



Auto fuse 32V & 58V



Midi fuse 32V & 58V

MXI50FK6 Remote Switch Connector Kit

Molex MXI50 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 MXI50 Female Mat Sealed

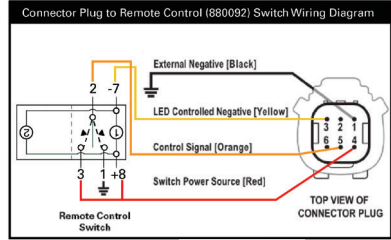
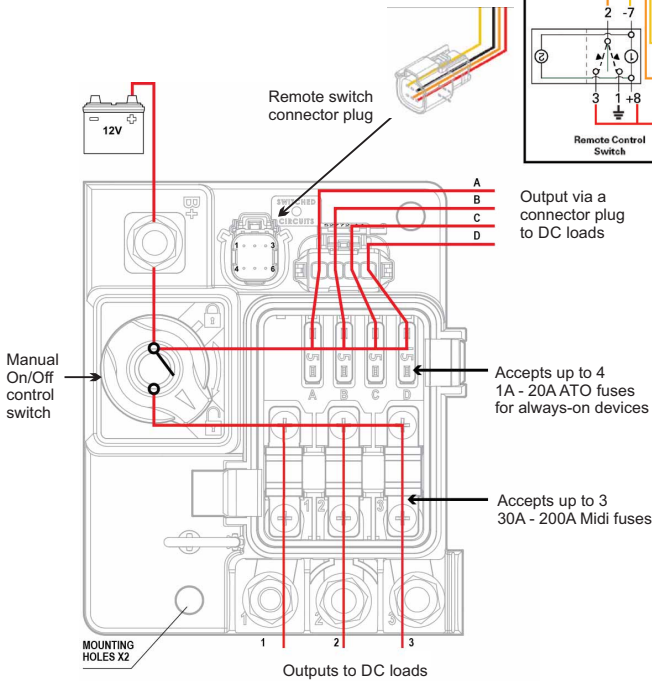
Material: Tin plated copper alloy

Part Number	Wire (AWG)	Wire (mm ²)
33012-3003	#22	0.35
33012-3002	#20 - #18	0.5 - 0.8
33012-3001	#16 - #14	1.5 - 2.5



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

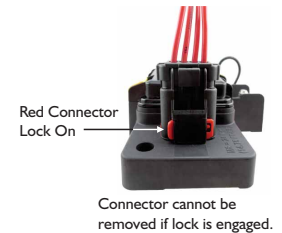
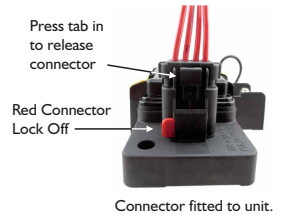
Circuit Diagram



880092 Switch Notes:





ON button switches terminals 2 & 3.
OFF button switches terminals 1 & 2.

Output via a connector plug to DC loads

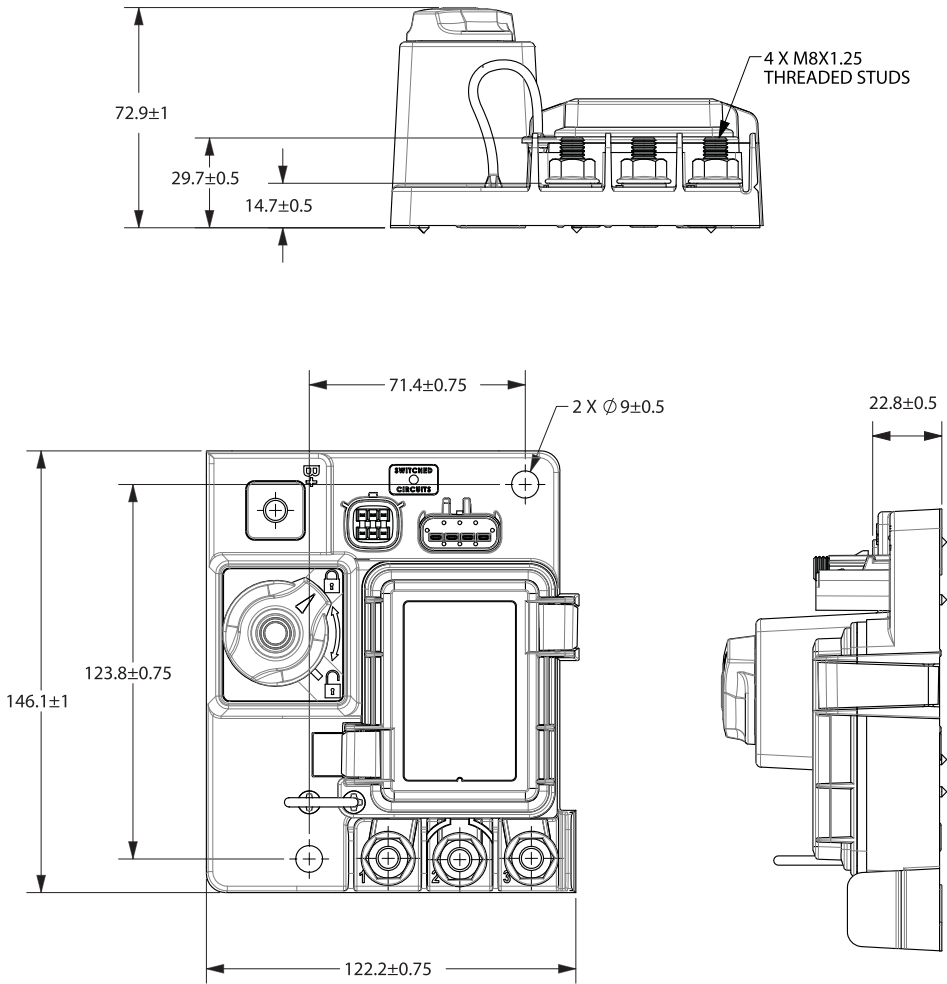


Manual Control Override Operations

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

Prolec

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



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



All terminals now crimped onto cables.



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



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



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



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