

Promix SD Mini – Keypad – Upgrade Kit (Ver 231201-1)

Contents:

1pc	W019-009	Control Station Only - Keypad type
1pc	W019-008	Universal mounting bracket - suits Keypad & Toggle control units
1pc	W019-011	Main unit only - 8 channel
1pc	W019-018	Charging cradle, black, suit Promix SD Mini
1pc	W005-037	8 Button Hand Remote 915 Generic 2 c/w bot charge contacts
1pc	W019-007	Harness adaptor - Upgrade Promix SD, LCD to SD Mini
1pc	W019-016	5m Flat Cable 8P8C RJ45
1pc	W019-015	Antenna Kit suit SD Mini, SMA, c/w Ext Ant & brkt & Int Stubby Ant
1pc	W019-041	Upgrade - Promix SD Mini Vehicle Harness Relay and Fuse Module

2 x Midi Fuses (Use 30A for 12v Fan, 15A for 24v Fan)

IMPORTANT NOTE:

System is 12v only. If 24v vehicle check voltage reducer output is within specifications.

Some SD Mini functions require valid J1939 data fields from the vehicle CAN bus. Older vehicles may not have some or any data available. SD Mini manual describes the required signals for all functions.

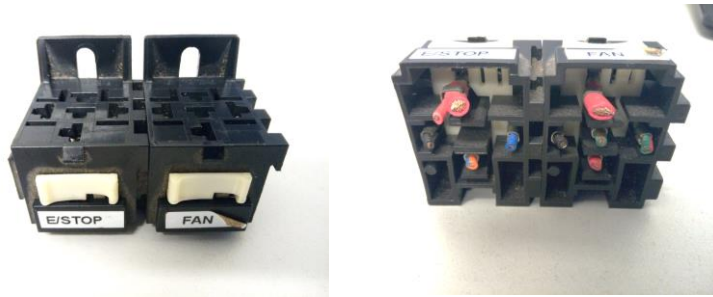
Some early vehicle harnesses with 37 pin connector may not have CAN wires in positions 2 & 3. Please check before commencing if you require CAN.

If your harness has the 2x Bosch Relays, please see how to do the Vehicle Harness Relay and fuse module upgrade below. (Very easy)

1. Make sure the power supply is disconnected.
2. Remove the two old fuse holders and 6mm wiring to the relay bases as they are not required.



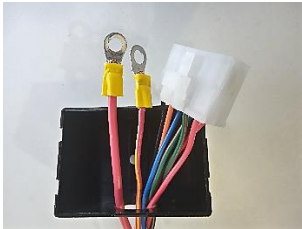
3. Remove or Cut the existing wires from the two relay bases as photo shows.



4. You should have 10 wires in total.
 1. Red/Yellow(Fan supply)
 2. Green/Red(Signal wire)
 3. Green/Brown(Signal wire)
 4. Black(Ground)
 5. Blue(E/Stop - Twin Core)
 6. Orange/Blue (System Ign Supply)
 7. Red(E/Stop- Twin Core)
 8. NOT REQUIRED - Black/White(temp switch to ground)
 9. NOT REQUIRED - 6mm Red (Old Fan Fuse holder)
 10. NOT REQUIRED - 6mm Red (Old E/Stop Fuse holder)

Installing the new Solid State Relay Module.

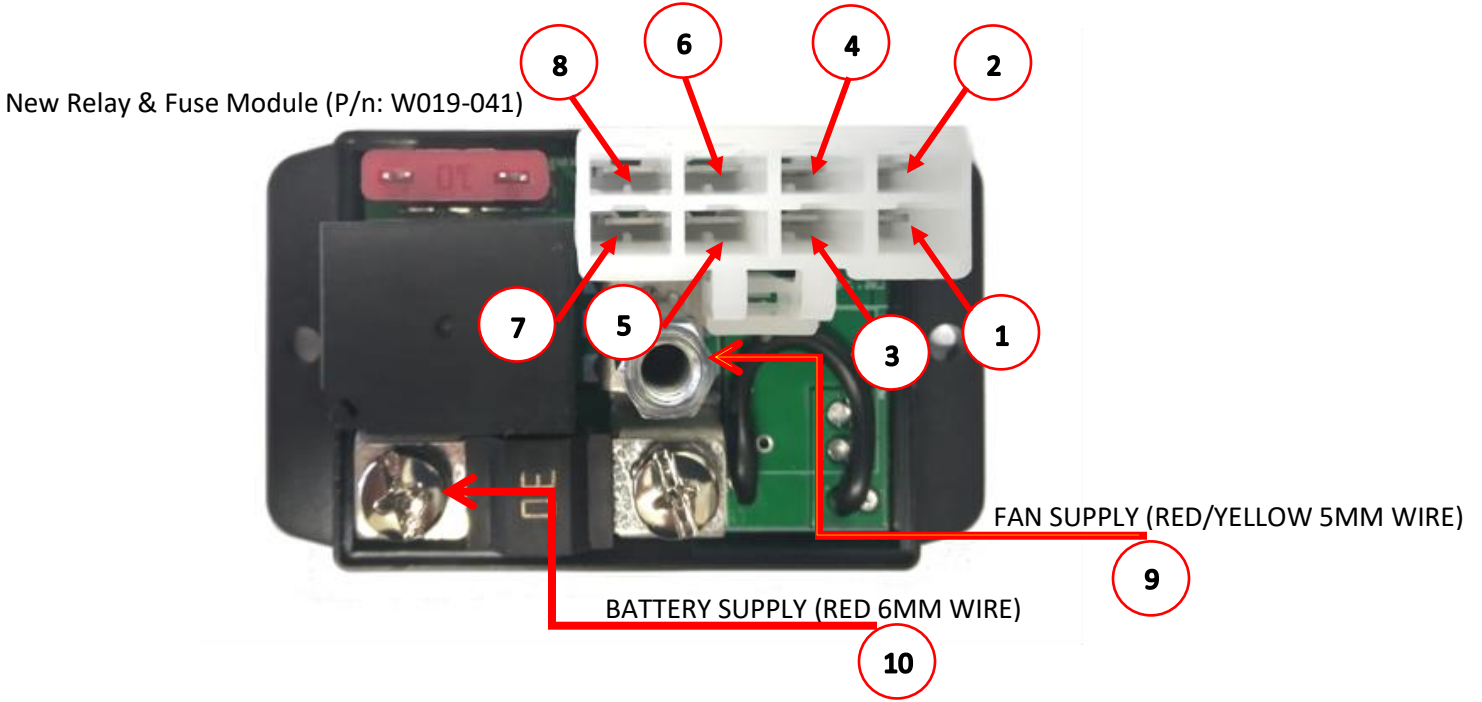
1. Place the existing 7 wires and the Red with Yellow through the PVC tubing/Heat shrink then through the relay cover before making of the ends and connecting to the 8 way white plug.



2. It's best to replace all wires with the new terminals supplied within the kit for the 8 way white plug as well the eye lugs where required.
(New relay/fuse module upgrade assembled photo below).



- Connect the wires as shown into the new 8 way white plug as well place the two eye lugs as shown - Always double check the locations and wire colours are correctly placed.



No	WIRE COLOUR	WIRE DESCRIPTION
1	Black	3mm - Ground
2	NC	Not Used
3	Orange/Blue	3mm - System Supply
4	Blue	3mm - Rear E/Stop Signal (Rubber Twin Core)
5	Green/Brown	3mm - System Signal
6	Green/Red	3mm - System Signal
7	Red	3mm - Ign Input
8	Red	3mm - Rear E/Stop Supply (Rubber Twin Core)
9	Red/Yellow	5mm - Hyd Fan Output(Eye Lug)
10	Red	6mm - Battery Supply (Eye Lug)

Incorrect or poor connections are the reasonably of the installer only.

SD Mini Manual link is [here](#)