WIN-004 V2.0

4 CIRCUIT ELECTRIC WINDOW CLOSER

Congratulations on choosing the WIN-004 - Electric Window Closer. The module provides four outputs with which you may energise up to 4 windows.

Trigger inputs cater for systems with either a constant negative when armed or a pulsed negative lock signal. Once trigger is detected, the module will proceed to power each window until the end of travel is reached (fully closed / fully open).

WIRE DESCRIPTIONS

RED : supplies power for window closer module. Also supplies power to window motors when module is triggered. Select power source capable of supplying more than 10 amps.

BLACK : supplies ground reference for closer module. Ground connection is low current - never expected to exceed 150mA. Terminate wire and bolt to metal chassis.

WHITE : constant ground trigger wire. Remote alarms or immobilisers which supply a permanent ground when armed should be connected to the WHITE input wire. This connection has the added benefit of the windows stop immediately if the negative signal disappears.

GREY : pulsed ground trigger wire. Remote alarms or immobiliser which only supply momentary central locking signal should have "LOCK" wires connected to the GREY input wire. Once set in started, the closer signal can not be interrupted.

BROWN & BROWN/WHITE PAIR : 1st of four pairs of coloured wires. While the module is not triggered, current may pass into the BROWN and out of the BROWN/WHITE to the electric window motor. When the module is triggered, the **BROWN** wire is disconnected and the BROWN/WHITE outputs a +12VDC signal to the motor. The motor will continue to drive until it stalls at the end of it's travel.

ORANGE & ORANGE/WHITE PAIR : 2nd of four pairs of coloured wires. While the module is not triggered, current may pass into the ORANGE and out of the ORANGE/WHITE to the electric window motor. When the module is triggered, the ORANGE wire is disconnected and the ORANGE/WHITE outputs a +12VDC signal to the motor. The motor will continue to drive until it stalls at the end of it's travel.

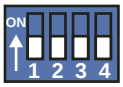
GREEN & GREEN/WHITE PAIR : 3rd of four pairs of coloured wires. While the module is not triggered, current may pass into the GREEN and out of the GREEN/WHITE to the electric window motor. When the module is triggered, the GREEN wire is disconnected and the GREEN/WHITE outputs a +12VDC signal to the motor. The motor will continue to drive until it stalls at the end of it's travel.

BLUE & BLUE/WHITE PAIR : 4th of four pairs of coloured wires. While the module is not triggered, current may pass into the BLUE and out of the BLUE/WHITE to the electric window motor. When the module is triggered, the BLUE wire is disconnected and the BLUE/WHITE outputs a +12VDC signal to the motor. The motor will continue to drive until it stalls at the end of it's travel.

POWER ADJUSTMENT

Each 4WIN module is supplied with the power output adjustment set to 1/2 scale. Most vehicles will not require any adjustment to be made. Windows which may be "sticky" require extra current to get the motor turning will require the output power adjustment to be turned clockwise for more power.

Turning the output power adjust anti-clockwise will reduce the amount of current supplied, leading to long motor and module life. DIPSWITCH SETTINGS The 4WIN has been released with minimum features. Please use only in default settings.



MODE 0 - *ALL OFF*

- Pulse Grey to make : - Brown - Orange - Green - Blue trigger till closed (in sequence).
- Hold White to make : - Brown - Orange - Green - Blue trigger till closed (in sequence).

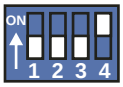
MODE 4 - *SWITCH #3 ON*

Hold Grey to make : -

- Green set output for 1 sec.
- then Blue set output for 1 sec

Hold White wire to make : -

- Brown set output till closed, then
- Orange set will output till closed.



MODE 8- *SWITCH #4 ON*

Pulse Grey to make : -

- Green set output for 1sec,
- then Blue set output for 1sec.

Pulse White wire to make : -

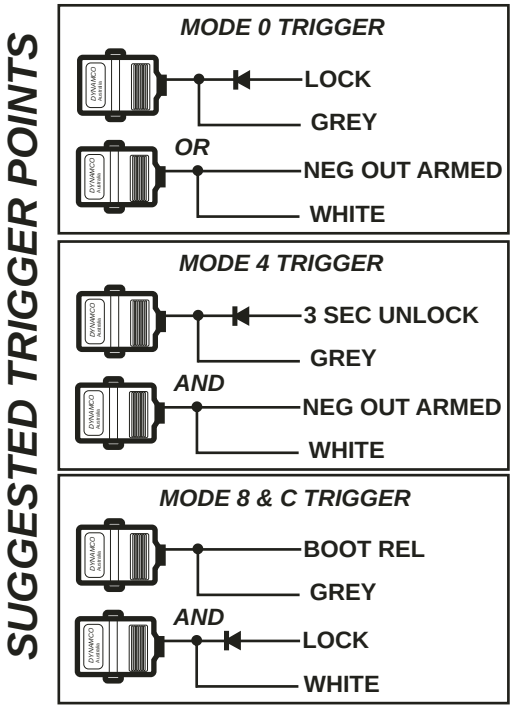
- Brown set output till closed, then
- Orange set will output till closed.

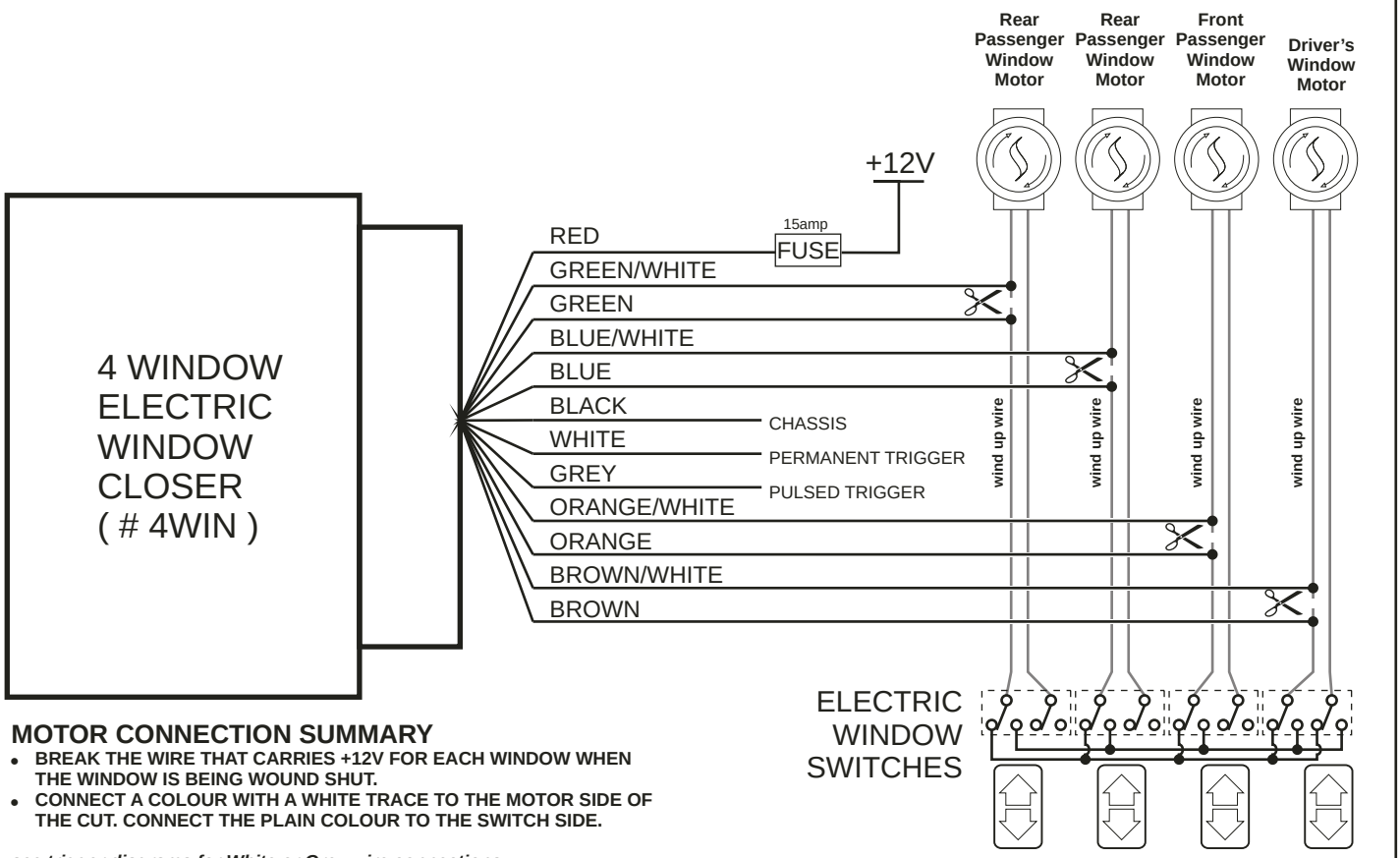
MODE C- *SWITCH #3 & #4 ON*

- Pulse Grey to make : -
- Green set output till fully open
- then Blue set output till fully open

Pulse White wire to make : -

- Brown set output till closed, then
- Orange set will output till closed.





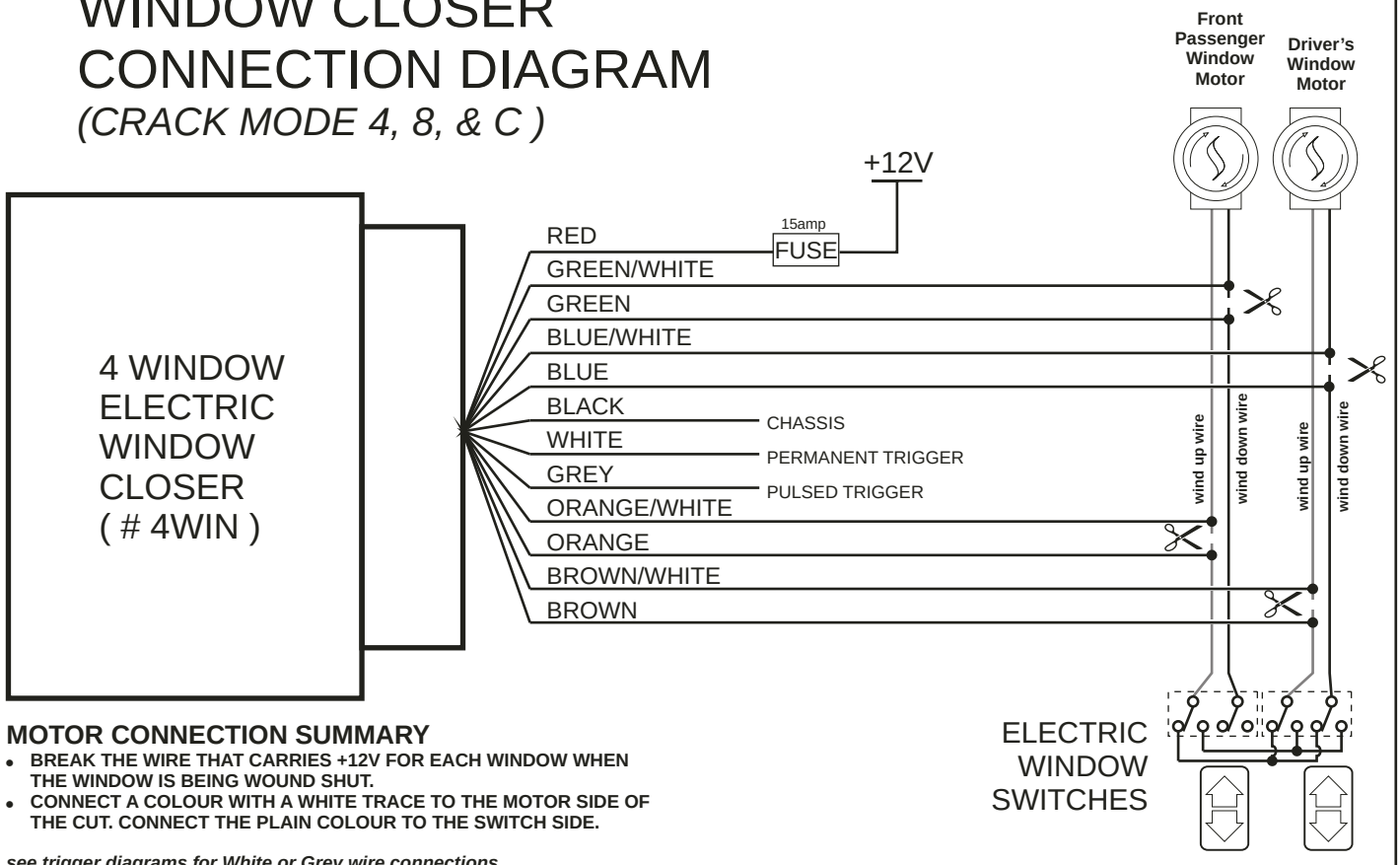
MOTOR CONNECTION SUMMARY

- **BREAK THE WIRE THAT CARRIES +12V FOR EACH WINDOW WHEN THE WINDOW IS BEING WOUND SHUT.**
- **CONNECT A COLOUR WITH A WHITE TRACE TO THE MOTOR SIDE OF THE CUT. CONNECT THE PLAIN COLOUR TO THE SWITCH SIDE.**

see trigger diagrams for White or Grey wire connections.

WINDOW CLOSER CONNECTION DIAGRAM

(CRACK MODE 4, 8, & C)



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