



**12 CHANNEL RECEIVER
INSTALLATION / OPERATION MANUAL
#REC12**

3-PIN HARNESS:

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|-----------|-----------------------------|
| 1. RED | +12 VOLT CONSTANT (BATTERY) |
| 2. BLACK | -NEGATIVE (GROUND) |
| 3. YELLOW | +12 VOLT IGNITION (KEY ON) |

12-PIN HARNESS:

BANK 1 "RED LED"

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|-----------|----------------|
| OUTPUT #1 | PINK |
| OUTPUT #2 | RED / WHITE |
| OUTPUT #3 | BLUE / WHITE |
| OUTPUT #4 | PURPLE / WHITE |

BANK 2 "GREEN LED"

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|-----------|-------------|
| OUTPUT #5 | WHITE |
| OUTPUT #6 | BROWN |
| OUTPUT #7 | GRAY |
| OUTPUT #8 | LIGHT GREEN |

BANK 3 "ORANGE LED"

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|------------|------------|
| OUTPUT #9 | BLUE |
| OUTPUT #10 | GRAY/WHITE |
| OUTPUT #11 | ORANGE |
| OUTPUT #12 | PURPLE |

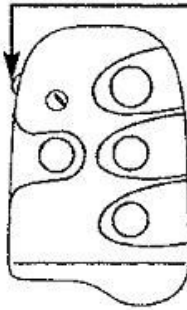
IMPORTANT!!! PLEASE READ!!!

THE 12 NEGATIVE OUTPUTS ON THIS UNIT HAVE A 500MA OUTPUT. THESE OUTPUTS MAY BE USED TO TRIGGER A BOSCHE STYLE RELAY. NEVER CONNECT DIRECTLY TO A DOOR-LOCK MOTOR, POP DOOR SOLENOID, AIR VALVE, ETC. PLEASE USE THE FOLLOWING DIAGRAMS TO GUIDE YOU. FAILURE TO FOLLOW THIS STEP WILL RESULT IN THE MELT DOWN OF THE RECEIVER AND WILL VOID THE WARRANTY!!!

12 CHANNEL RECEIVER

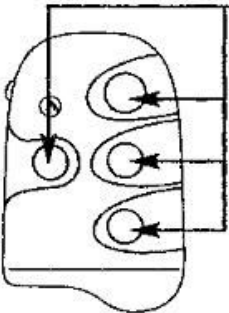
REMOTE PROGRAMMING

- STEP 1** TURN IGNITION ON AND OFF 5 TIMES, ON THE 5TH TIME, LEAVE THE IGNITION ON. LED WILL LIGHT UP TO CONFIRM THAT IT HAS ENTERED THE PROGRAMMING MODE.
- STEP 2** PRESS AND RELEASE THE NUMBER ONE BUTTON ON EACH REMOTE, ONE BY ONE.
- STEP 3** ONCE YOU HAVE COMPLETED STEP 2, YOU MAY TURN THE IGNITION OFF TO EXIT THE REMOTE PROGRAMMING FEATURE.



BANK CHANGING BUTTON:

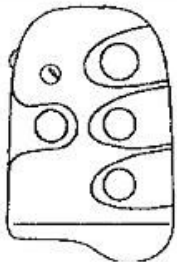
THIS IS THE BANK CHANGING BUTTON. IT LETS YOU SELECT BETWEEN THREE BANKS SPECIFIED BY 3 COLORS: **RED, GREEN, AND ORANGE**. PLEASE SEE BOTTOM OF PAGE FOR DETAILED BANK SPECIFICATIONS.



REMOTE FUNCTION W/ DIP SWITCH IN THE DOWN (ON) POSITION (PULSED OUTPUT):

1. PRESS AND RELEASE I, II, III, OR IV BUTTON FOR A 1.5 SECOND NEGATIVE PULSE. (USE THIS TYPE OF OUTPUT FOR POP DOORS, AIR SUSPENSION, POP TRUNKS ETC.)
2. PRESS AND HOLD THAT BUTTON FOR A LONGER PULSE (OUTPUT WILL STAY ENGAGED ON SELECTED CHANNEL FOR AS LONG AS YOU HOLD THE BUTTON DOWN)

NOTE: THIS IS THE WAY THIS UNIT IS SHIPPED



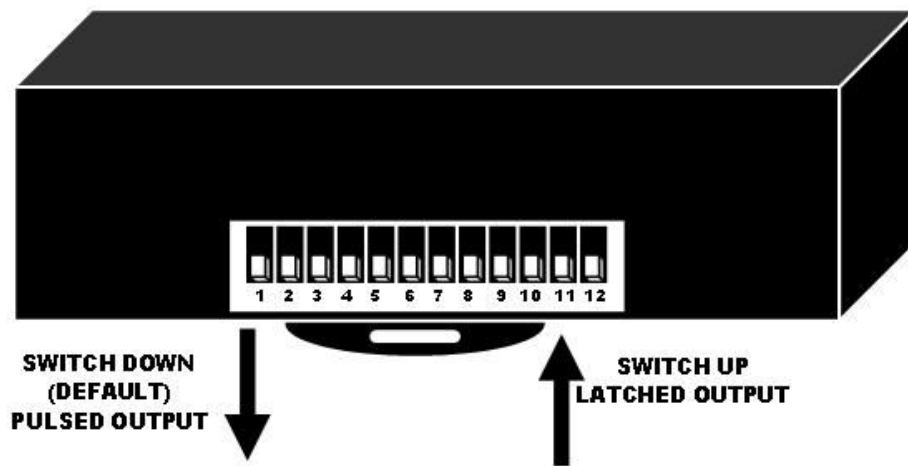
REMOTE FUNCTION W/ DIP SWITCH IN THE UP (OFF) POSITION (LATCHED OUTPUT):

PRESS AND RELEASE I, II, III, OR IV TO ACTIVATE LATCHED OUTPUT ON SELECTED CHANNEL. TO TURN THE CHANNEL OFF, PRESS AND RELEASE THE BUTTON AN ADDITIONAL TIME. (USE THIS TYPE OF OUTPUT FOR TURNING ON/OFF NEON OR OTHER ACCENT LIGHTING, POWER WINDOW ROLL-UP MODULES, ETC. **DO NOT USE THIS TYPE OF OUTPUT FOR POP DOORS, AIR SUSPENSION, TRUNK POPS, ETC. OR YOU WILL HAVE BURNED OUT ACCESSORIES AND A POSSIBLE FIRE ON YOUR HANDS!!!**)

BANK SPECIFICATIONS

BANK 1 RED LED CHANNELS 1-4	BANK 2 GREEN LED CHANNELS 5-8	BANK 3 ORANGE LED CHANNELS 9-12
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DIP SWITCH SETTINGS



THE DIP SWITCHES ARE TO CHANGE THE OUTPUT FROM A MOMENTARY TO A LATCHED OUTPUT ON ANY OF THE 12 CHANNELS.

EXAMPLE #1: DIP SWITCH ONE IN THE DOWN POSITION (ON) WILL GIVE YOU A 1.5 SECOND OUTPUT WHEN CHANNEL ONE ON THE REMOTE IS ACTIVATED, OR STAY ON AS LONG AS YOU HOLD DOWN CHANNEL ONE BUTTON ON THE REMOTE. THIS IS THE DIP SWITCH SETTING YOU WOULD WANT IF YOU ARE USING THE OUTPUT FOR A POP DOOR, TRUNK POP, AIR SUSPENSION, ETC.

EXAMPLE #2: DIP SWITCH 2 IN THE UP POSITION (OFF) WILL GIVE YOU A CONSTANT OUTPUT WHEN CHANNEL TWO ON THE REMOTE IS PRESSED ONCE. PRESSING THE SAME BUTTON ON THE REMOTE AGAIN WILL TURN OFF THE OUTPUT. THIS IS THE DIP SWITCH SETTING YOU WOULD WANT IF YOU ARE USING THE OUTPUT FOR NEON LIGHTING OR ANY OTHER ACCESSORY THAT YOU WOULD WANT TO TOGGLE ON AND OFF.

EACH OUTPUT CAN BE PROGRAMMED FOR A PULSE OR LATCHED OUTPUT INDIVIDUALLY. EACH OF THE 12 DIP SWITCHES CONTROLS A SEPARATE OUTPUT. IN OTHER WORDS, DIP SWITCH ONE IS FOR CHANNEL ONE, DIP SWITCH TWO IS FOR CHANNEL TWO, DIP SWITCH THREE IS FOR CHANNEL THREE AND SO ON.

NOTE: WHEN CHANGING ANY OF THE DIP SWITCH SETTINGS ON THIS UNIT YOU MUST POWER THE UNIT DOWN BEFORE YOU FLIP ANY OF THE DIP SWITCHES. SIMPLY UNPLUG BOTH CONNECTORS, MAKE YOUR CHANGES, THEN PLUG THE UNIT BACK IN.

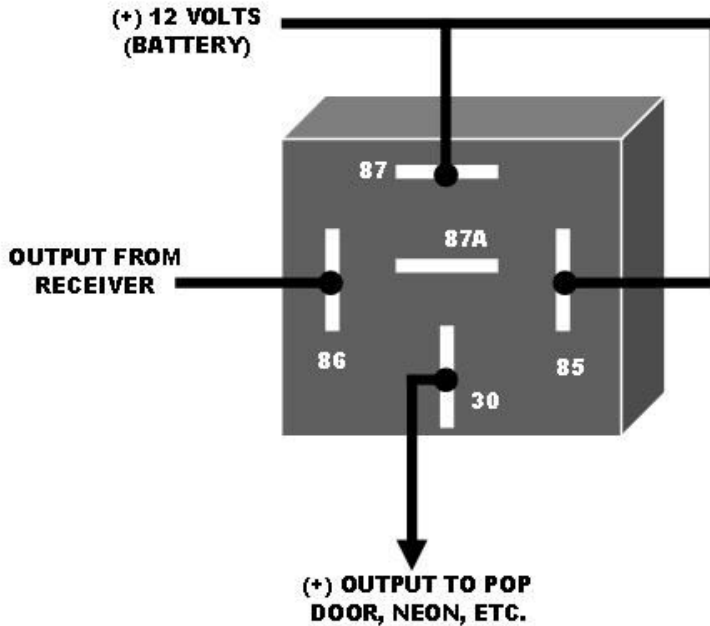
THIS IS ONLY A GUIDE!!!

THE APPLICATIONS SHOWN ARE GENERAL GUIDE LINES OF POSSIBLE APPLICATIONS. VEHICLE SPECIFICATIONS MAY CHANGE. ALWAYS REVIEW THE VEHICLE'S SERVICE MANUAL WHEN PERFORMING AN INSTALLATION. AVS MOBILE SPECIALIST DOES NOT ASSUME ANY RESPONSIBILITY FOR DAMAGE TO PROPERTY OR PERSONS WHICH MAY OCCUR DUE TO INCORRECT APPLICATIONS. NOT RESPONSIBLE FOR TYPOGRAPHICAL ERRORS. UNDER THE CONDITIONS OF THIS WARRANTY, AVS MOBILE SPECIALIST WILL REPAIR THE CONTROL MODULE IF FOUND TO HAVE A DEFECT IN MATERIAL OR FACTORY WORKMANSHIP FOR ONE YEAR FROM THE ORIGINAL DATE OF PURCHASE BY THE ORIGINAL PURCHASER. THE INSTALLATION MUST BE PERFORMED BY AN AUTHORIZED DEALER OF AVS PRODUCTS FOR THIS WARRANTY TO BE VALID. THIS WARRANTY IS OFFERED TO THE ORIGINAL PURCHASER AND IS NOT TRANSFERABLE. THIS WARRANTY WILL BE VOID IF THE PRODUCT HAS BEEN ABUSED, ALTERED, IMPROPERLY INSTALLED OR SUBJECTED TO ANY OTHER FACTOR THAT IS BEYOND THE MANUFACTURER'S CONTROL. THIS WARRANTY DOES NOT COVER LABOR COSTS FOR REMOVAL OR REINSTALLATION NOR REPLACEMENT COSTS OF CONSUMABLE ITEMS SUCH AS BATTERIES, FUSES, ETC.

ADDING RELAYS TO THE RECEIVERS OUTPUTS

USE A BOSCHE 30/40 AMP OR EQUIVALENT RELAY
ONE RELAY PER OUTPUT IS NEEDED

(+) OUTPUT TO: POP DOOR MOTOR, TRUNK POP MOTOR, AIR SUSPENSION SOLENOID, WINDOW ROLL-UP OR DOWN MODULE, REMOTE START MODULE, NEON OR LED LIGHTING, ETC.



OR

(-) OUTPUT TO: POP DOOR MOTOR, TRUNK POP MOTOR, AIR SUSPENSION SOLENOID, WINDOW ROLL-UP OR DOWN MODULE, REMOTE START MODULE, NEON OR LED LIGHTING, ETC.

