

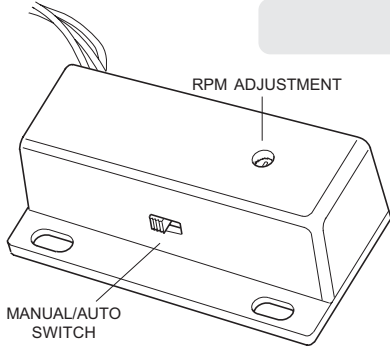
# RELAYS & RESISTORS

## QUICK - REFERENCE GUIDE

ITEM	DETAILS	PAGE
RELAYS		
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**Relays**

**IDLE CUT-OUT RELAYS**



**RE-17010**

**PALCON IDLE CUT-OUT RELAY.**

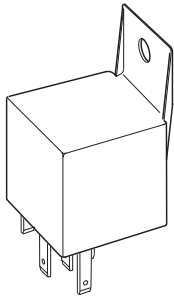
IDLE CUT-OUT RELAYS ARE DESIGNED TO CUT THE CIRCUIT TO THE AIR CONDITIONER WHENEVER THE ENGINE SPEED DROPS BELOW THE SELECTED RPM.

THEY CAN BE SET TO MANUAL OR AUTOMATIC OPERATION, AND ARE USEFUL ON SOME SMALL-ENGINED VEHICLES WHERE THERE IS NO AUTOMATIC IDLE-UP DEVICE.

A WIRING CIRCUIT IS INCLUDED WITH THE RELAY.

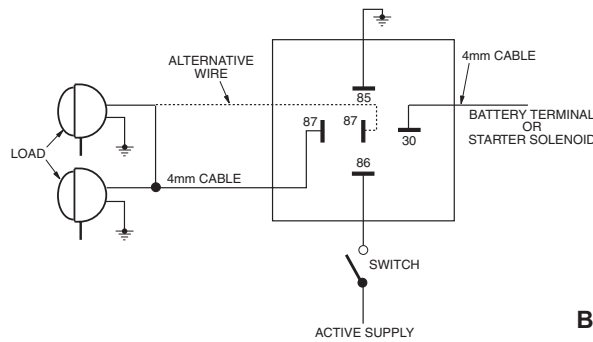
REFER TO 'RELAY' SECTION OF THE TECHNICAL SECTION FOR MORE INFORMATION AND WIRING CIRCUIT.

**POWER RELAYS**

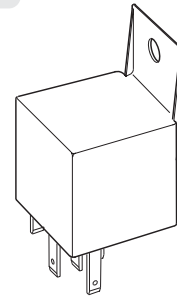


**BOSCH STANDARD 5 - PIN POWER RELAY**

**RE-18750 - 12 volt (30 amp)**  
**RE-18764 - 24 volt (20 amp)**

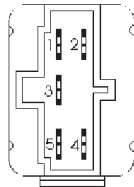
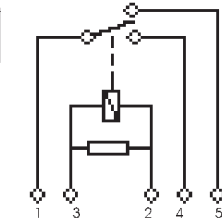
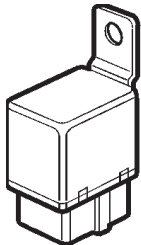


**TYPICAL BOSCH RELAY WIRING CIRCUIT**

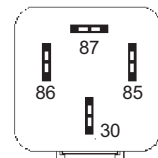
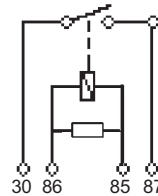
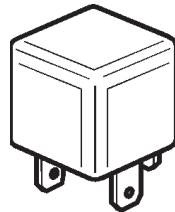


**BOSCH 5-PIN POWER RELAY WITH SURGE - QUENCH. HELPS PREVENT POWER SURGE, OR 'SPIKE'.**

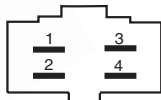
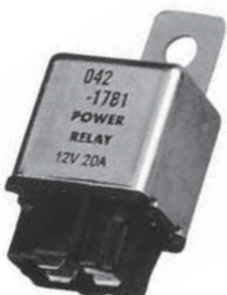
**RE-18752 - 12 volt (30 amp)**



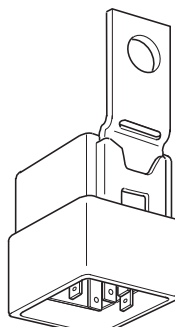
**COOLTEMP POWER RELAY 6 - PIN PLUG (5 PINS)**  
**RE-18780 - 12 volt**



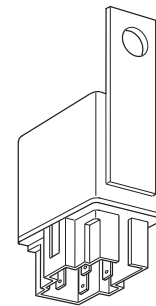
**COOLTEMP POWER RELAY 4 - PIN**  
**RE-18783 - 12 volt (30 amp)**



**OMRON POWER RELAY**  
**RE-18912 - 12 volt (20 amp)**  
**RE-18924 - 24 volt (10 amp)**



**RED DOT POWER RELAY**  
SUITS LATE MODEL R6000 ROOFTOP UNITS.  
**REE-98612 - 12 volt**  
**REE-98624 - 12 volt**



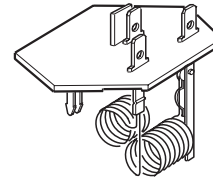
**UNICLA POWER RELAY**  
SUITS UNICLA UNDERDASH UNITS AND SOME INTEGRATED SYSTEMS.  
**REE-11592 - 12 volt (use RE-18912)**  
**REE-11594 - 24volt (use RE-18924)**

## Resistors

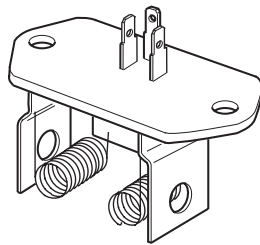
## UNIVERSAL RESISTORS

**RES-11010**

UNIVERSAL 12 volt, 3 SPEED RESISTOR.  
FOR USE WITH SW-42010 5-PRONG A-C SWITCH.



## OEM REPLACEMENT RESISTORS

**RES-98712**

RED DOT 12v AND 24v, 3 SPEED RESISTOR.  
FITS R9727 AND R6000.

CAN BE USED AS A HEAVY DUTY UNIVERSAL RESISTOR.

PART No.	MAKE	APPLICATION MODEL	UNIT	VOLTAGE	TERMINALS (No. OF PINS)	OE PART No.	
RES-11202	AIR CHIEF	EV-11202	EVAPORATOR	12	3	RES-11202	NOT ILLUSTRATED
RES-11282	AIR CHIEF	EV-11282	EVAPORATOR	12	3	RES-11282	NOT ILLUSTRATED
RES-11472	SANDEN	747	EVAPORATOR	12	3	51540-40080	NOT ILLUSTRATED
RES-11474	SANDEN	848	EVAPORATOR	24	3	51540-40330	NOT ILLUSTRATED
RES-11592	UNICLA	SUPERKING	EVAPORATOR	12	3	R0111	NOT ILLUSTRATED
RES-11594	UNICLA	SUPERKING	EVAPORATOR	24	3	R0111-24	NOT ILLUSTRATED
RES-12202	AMC	CM2000	EVAPORATOR	12 - 24	5	09-2927	NOT ILLUSTRATED
RES-12232	AMC	CM1000	EVAPORATOR	12 - 24	5	09-2933	NOT ILLUSTRATED
RES-98712	RED DOT	R9727	ROOFTOP UNIT	12 - 24	3	5-3647-0 (71R1450)	

## Technical Tip

**Relays**

1. When selecting or installing a relay, ensure that a relay of correct voltage and appropriate amperage is selected.
- 2 It is a good idea to use "surge - quench" relays where possible.  
These relays help to protect the vehicle's electronics from electrical spikes.

**Resistors**

1. It is critical that resistors are installed in a position which allows sufficient cool air flow to prevent the danger of the resistor overheating.