

INSTALLATION INSTRUCTIONS

Part # 31-R30A-5P

Read these instructions completely before beginning installation or service.

KIT CONTENTS

QTY.	DESCRIPTION
1	Bosch-type 5-pin 30/40A power relay and socket

TOOLS SUGGESTED

Wire stripper	Electrical tape
Wire crimper	
Dielectric grease (recommended for terminal connectors)	

CAUTION!

To prevent injury, allow vehicle to cool before attempting installation and/or disassembly and cleaning.

OPERATION SUMMARY

Power relay functions:

1. Safe circuit management of high amounts of amperage.
2. Automatic control of electrical device.

WIRING

1. Relay socket is provided in assembly for wiring convenience. Identify socket receptacles that correspond to relay pin numbers. Refer to wiring diagram (right). Each pin is designed for a specific function.
2. Connect 12V power source to pin 86 or corresponding socket wire through a trigger, e.g., thermal switch or toggle switch.
3. Connect ground to pin 85 or corresponding socket wire.
4. Connect 12V power to pin 30 or corresponding socket wire through a fuse. Fuse rating should be adequate for total circuit power.

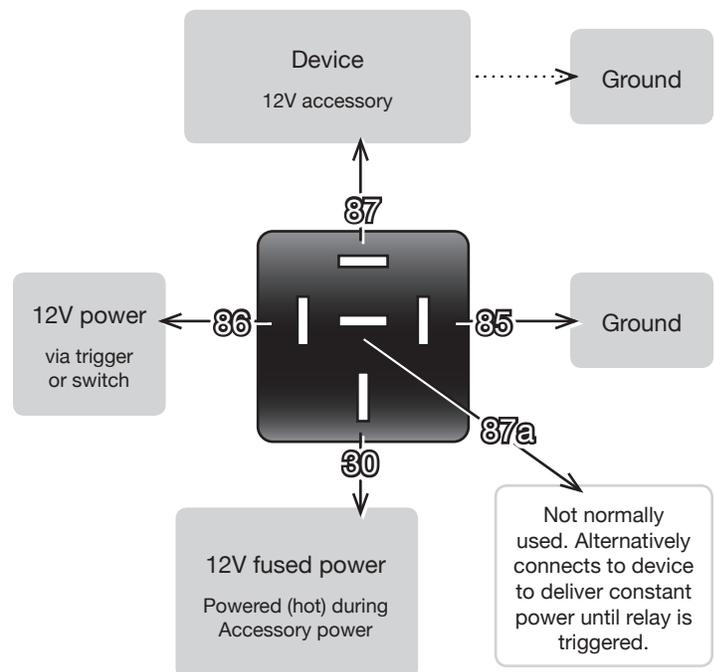
NOTE: If not attaching to a fused circuit, locate a fused wire patch, e.g., sūsa part # 31-FWP16, to protect circuit.

5. Connect the (+) power lead of the device to be controlled (e.g., electric fan, lube pump, etc.) to pin 87 or corresponding socket wire.
6. Connect the (-) ground lead of the device to be controlled to ground.

MOUNTING

7. The integrated mounting bracket offers convenient bulkhead mounting opportunity using a #10 or 5mm size screw (screw not provided).

Numbers refer to specific pin #s found on relay plug



ACCESSORIES AVAILABLE

PART #	DESCRIPTION
31-FWP16	sūsa Fuse Wire Patch, 16AWG
31-TS180-__*	sūsa Thermal Switch, 180°F, *-06, -08, -10, or -12
31-TS190-__*	sūsa Thermal Switch, 190°F, *-06, -08, -10, or -12

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