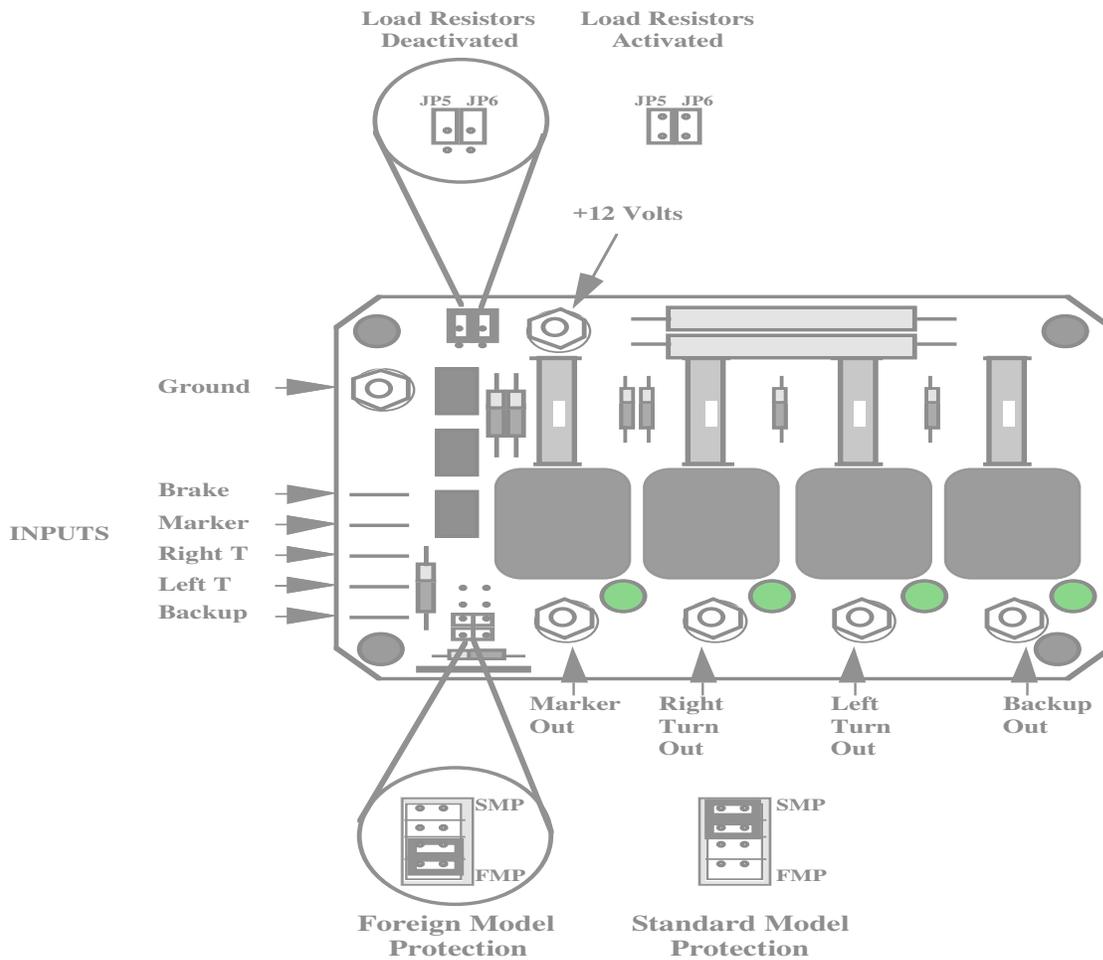


FMP Protector Installation Guide

The Wired Rite Systems FMP Protector includes LED status indicators on all four circuits and built-in load resistors to control rapid flashing of brake lights, turn signals and warning flashers found on some chassis.



Input/Output Connections

1. *Configuring Protector™ (Standard or Foreign)*

Standard configuration is for domestic chassis while **Foreign** configuration is for imported chassis. **Foreign** converts a three wire system to a two wire system. FMP Protector™ is shipped with programmable jumpers in **Foreign** position and with load resistors deactivated. To convert to **Standard** mode, move jumpers to **Standard** position, as shown on Page 1. To activate load resistors (which will eliminate rapid flashing of turn, brake and warning lights), move jumpers to “Activated” position, as illustrated on previous page.

2. *Select Mounting Location For Protector™*

It is most important to select a dry location for installation. Protector™’s enclosure is not waterproof. Damage to the Protector™ from water is not covered by our warranty. We recommend installing the Protector™ in the rear toolbox location or in a dry location near the wiring loom or junction box.

3. *Drill Mounting Holes*

Use the Protector™ box as a template to mark the mounting holes. Install lock washers to keep the Protector™ from vibrating loose.

4. *Install 50 Amp Manual Reset Circuit Breaker*

Disconnect all power from battery before wiring. Use 10 AWG wire to install the 50 amp circuit breaker near the battery.

5. *Connect Power Input*

Use 10 AWG wire to connect the circuit breaker terminal labeled “AUX” to the positive input stud of the Protector™. We recommend that you cover the wire with 1/4” flex loom. Use cable ties to attach wire. Use care in selecting how and where the positive input wire is routed.

6. *Lighting Input Connections*

The following steps describe how to install chassis wiring to your Protector™. The wire splices do not pass current to the output terminals of your Protector™ – 16 AWG will be sufficient for this procedure. Using a test light, locate the factory wire for:

Left Turn Signal	Yellow
Right Turn Signal	Green
Brake Lights (Foreign only)	Red
Marker Lights	Brown
Back-Up Lights	Blue

Connect the appropriate wires to the corresponding input terminals of the Protector™ using .250” female, quick-disconnect hardware. Connect “Ground” to your Protector from the chassis or negative battery terminal. Chassis connection **MUST** be tight, connection point **MUST** be clean.

7. *Output Connections*

The output terminals of the Protector™ go to your “added on” lights. Each circuit is protected by a factory installed circuit breaker. Our circuit breakers can be replaced, if needed, with any automotive blade type circuit breaker or fuse, with a rating of up to 30 amps. A 40 amp version is available but must be specified

from the factory at time of ordering. Connect the output terminals to the lights, using a #10 ring lug at the Protector™ and 14 AWG wire. To facilitate troubleshooting, we recommend that you observe color codes when wiring. Wired Rite Systems™ has included LED status indicators on all outputs. In the event of a relay, circuit breaker or electrical failure, the LED for the “troubled circuit” will cease to emit light until the fault is fixed.

REFERENCE

KEEP THIS RECORD WITH THIS TRUCK

WIRE (COLOR/AWG) REFERENCE

CONNECTION	COLOR	AWG	LOCATION
LEFT TURN			
RIGHT TURN			
BRAKE (FMP)			
MARKER LIGHTS			
BACK-UP LIGHTS			

INSTALLATION RECORD

INSTALLED BY:

INSTALLATION DATE:

INSPECTED BY:

LOCATION-FMP:

LOCATION-50 AMP CB:

REPLACEMENT PARTS

20 AMP CIRCUIT BREAKER	CBM 1048
30 AMP CIRCUIT BREAKER	CBM 1050
40 AMP CIRCUIT BREAKER	CBM 1083

Replacement parts available at our website: <http://www.wiredrite.com>, or at 800-538-7483

WARRANTY POLICY

Wired Rite Systems™, Inc. provides a two year warranty against defective material and/or workmanship.

If a defect is identified, we will supply you with a replacement Protector™, subject to the following conditions:

A Return Authorization Number (RMA) must be obtained from Wired Rite Systems, Inc as a precondition to any warranty claim. No returns will be accepted, nor will any claims be honored without this RMA number. Call 800-538-7483 (800-538-RITE) and speak to a customer service representative to obtain this RMA number.

If, upon inspection by Wired Rite Systems™, Inc., a Protector™ proves to have been subjected to physical abuse, been modified in any way, or subjected to electrical overloading, or to have been improperly installed, replacement or repair costs will be borne by the user.

All warranty costs MUST be approved by WRS before work is started. Otherwise, we reserve the right to refuse reimbursement.

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