

STEPS

Overview

There are four operational inputs to the step controller consisting of:

- Door proximity switch input
- Hold/cycle step input
- Porch light input
- Ignition input

Outputs are bi-directional motor drive current and 12V DC brake release.

Porch Light

This input can be wired to a porch light switch. Any time the porch light is on, the step light will remain on (Fig. 1A).

Chassis Ground

This input connects to the chassis' ground (Fig. 1B).

Door Proximity Switch

Each time the door is opened, this input (wired to a step proximity switch) extends the step. When the door is closed, the step retracts (Fig. 1C).

Hold/Cycle Input

This is wired to a switch which is in turn wired to 12V DC. When the switch is Closed (Cycle), the step extends and retracts each time the door is open or closed. When moved to the Open (Hold) position, the step will remain extended until the switch is once again closed or the ignition switch is turned on with the door closed (Fig. 1D).

Ignition On

This input is wired to the vehicle ignition system so when the ignition is turned on, and the vehicle door is closed, an extended step will retract, regardless of the position of the Hold/Cycle switch (Fig. 1E).

12V DC

This input connects to 12V DC power supply (Fig. 1F).

Safety Shut Off

The step shuts off at the end of an extension or retraction cycle by sensing the spike in motor current. Such a spike will also occur, and the motor will shut off, if the step encounters an obstruction; rock, tree, person, etc. The step can then be retracted and the obstruction has been cleared.

Fig. 1

