# OFS350-DRI
# Quick Reference Guide

The OFS350-DRI is a microstepping driver that is operated with an external step and direction controller. A power supply, step motor, and step and direction controller are required in addition to the OFS350-DRI. These system elements are shown below.



OFS350-DRI
Open-Frame Stepper Drive

LV Step
Motor

STP-32PRK4
Power Supply

ACR9000
Controller

## Getting Started:

A complete set of instructions, including wiring diagrams, specifications, and drawings, are contained in the Hardware Installation Guide, and are available online at www.parkermotion.com. Navigate to "Products" then "Stepper Drives and Motors" then to "OFS."

## Required items before you begin:

OFS350-DRI
Step and direction signal source, 5 VDC (ACR9000 or equivalent)
Step motor, minimum 1mH inductance (LV series or equivalent)
Power supply, 12-42 VDC (STP-32PRK4 or equivalent)
Power supply, 5 VDC (STP-32PRK4 or equivalent)
Cabling:
    AC input to power supply
    DC output from power supply to step drive
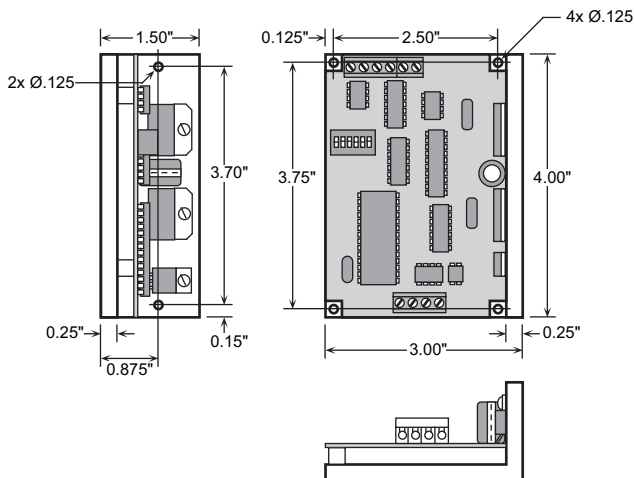    Step motor extension to step drive (if required)
Small screwdriver

## DO's for Using the OFS350-DRI:

**DO** download the Hardware Installation Guide and reference it for system installation and setup. (www.parkermotion.com)

**DO** mount the drive where there is adequate airflow to keep the surrounding ambient temperature less than 70°C.

**DO** ensure power is off to the drive prior to wiring the control signals or motor leads.

**DO** follow all applicable safety standards and requirements when installing the OFS system.
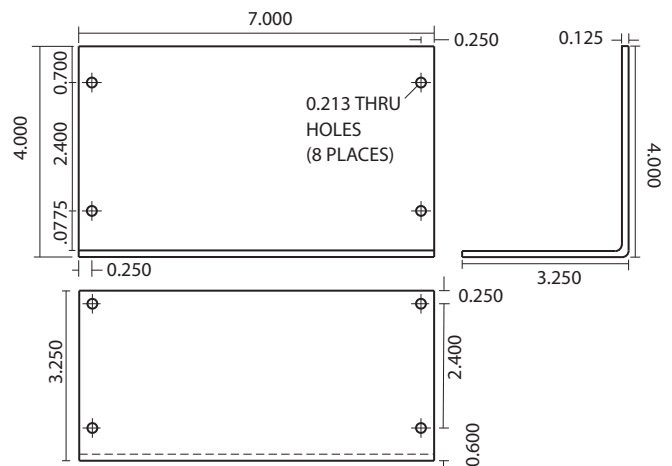
## DON'Ts for Using the OFS350-DRI:

**DON'T** exceed the 42 VDC max. input voltage. If using an unregulated supply, check the unloaded voltage spec. Many unregulated supplies are rated at full load, and will exceed the listed voltage when unloaded.

**DON'T** reverse the polarity of the DC input. Damage to the drive will occur and void the warranty.

**DON'T** disconnect the motor leads while the drive is powered on.

**DON'T** touch any exposed terminal or surface on the drive while the drive is powered on.

## OFS350-DRI Dimensions:



## STP-32PRK4 Dimensions:

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