



ALLEN-BRADLEY BULLETIN 1336 PLUS 120 VOLT INTERFACE GROUNDED/UNGROUNDED

APPLICATION NOTE #1336S - 12

May 19, 1997

PURPOSE

The purpose of this document is to provide guidelines for wiring and control schemes for the Bulletin 1336S AC Drive. This document is to be used as a suggestion only. Users must ensure that installations meet applicable codes and are suitable for the existing conditions.

The Bulletin 1336S User Manual should be used as a reference to ensure that proper wire selection, routing and fusing guidelines are followed.

WHAT THIS NOTE CONTAINS

The Bulletin 1336S-L6 Logic Interface may be used on a grounded or ungrounded 120VAC supply. This note will provide assistance in implementing this interface.

INTENDED AUDIENCE

This application note is intended to be used by personnel familiar with the hardware components and programming procedure necessary to operate the Bulletin 1336S.

WHERE IT IS USED

The diagrams, parameter settings and auxiliary hardware used in this application note are designed to address specific issues in many different applications. Some changes by the User may be necessary to apply the concepts of this document to a specific application.

DESCRIPTION

GROUNDED 120VAC The 1336S-L6 Interface is isolated from the internal circuitry of the drive. For a grounded 120VAC system, it is recommended that only the "hot" side of the secondary be fused. Refer to Figure 1 for the diagram.

UNGROUNDED 120VAC When a 120VAC supply does not have a grounded secondary, fuses are required for both the "hot" and "common" legs of the transformer. Refer to Figure 2 for the diagram.

APPLICATION CONSIDERATIONS

The transformer and fusing selected for the 120VAC power must be capable of supplying 10ma of current for each input to the 1336S-L6 Interface.

FIGURE 1 GROUNDED CONTROL WITH 115VAC INTERFACE

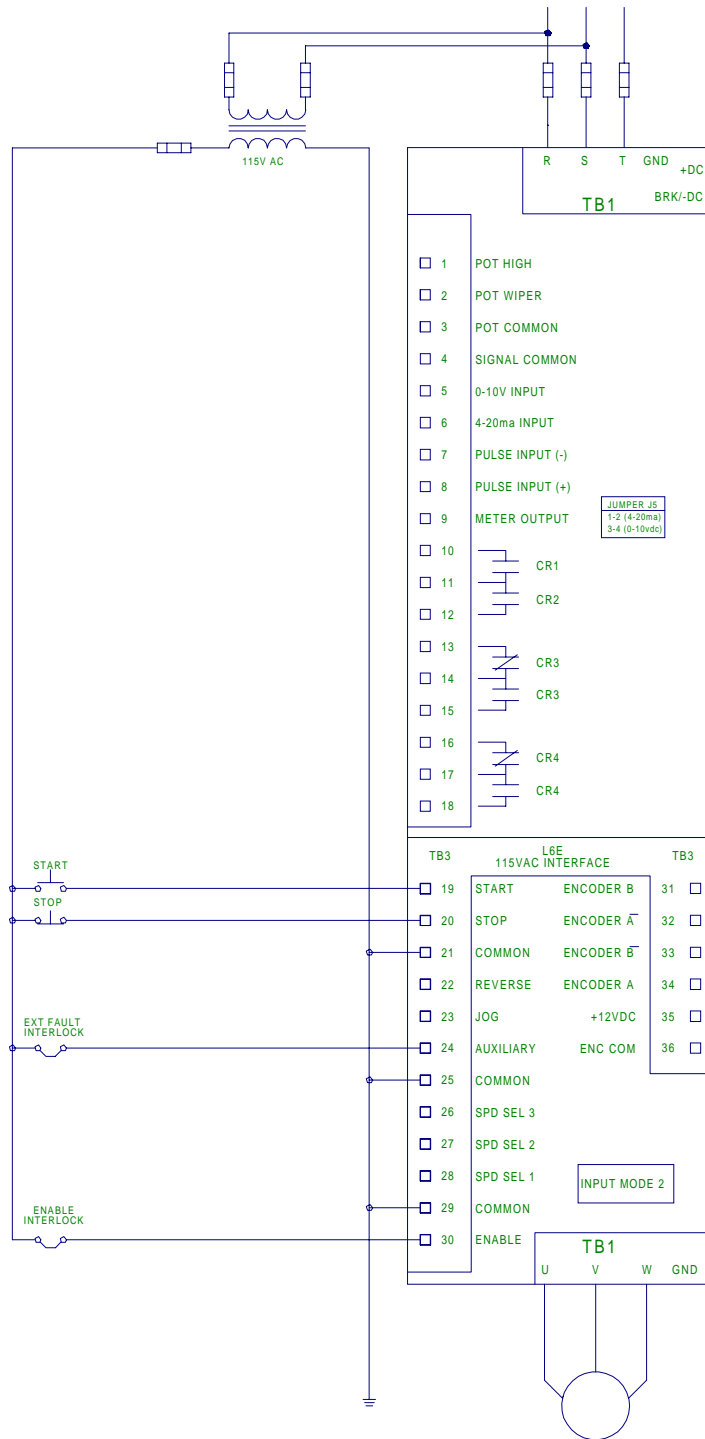


FIGURE 1 UNGROUNDED CONTROL WITH 115VAC INTERFACE

