



**ALLEN-BRADLEY
BULLETIN 1336
MOD-L3 INTERFACE
GROUNDED/UNGROUNDED**

APPLICATION NOTE #12

January 2, 1997

PURPOSE

The purpose of this document is to provide guidelines for wiring and control schemes for the Bulletin 1336 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 1336 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 1336-MOD-L3 Logic Interface may be used on a grounded or ungrounded 120VAC supply.

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 1336/1336VT.

WHERE IT IS USED

changes

The diagrams, parameter settings, and auxiliary hardware used in this application note are designed to address specific issues in many different applications. Some

by the Users may be necessary to apply the concepts of this document to a specific application.

DESCRIPTION

GROUNDED 120VAC The MOD-L3 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

The transformer and fusing selected for the 120VAC power

CONSIDERATIONS must be capable of supplying 8.5ma of current for each
input to the MOD-L3 Interface.

115V AC INTERFACE WITH GROUNDED SUPPLY

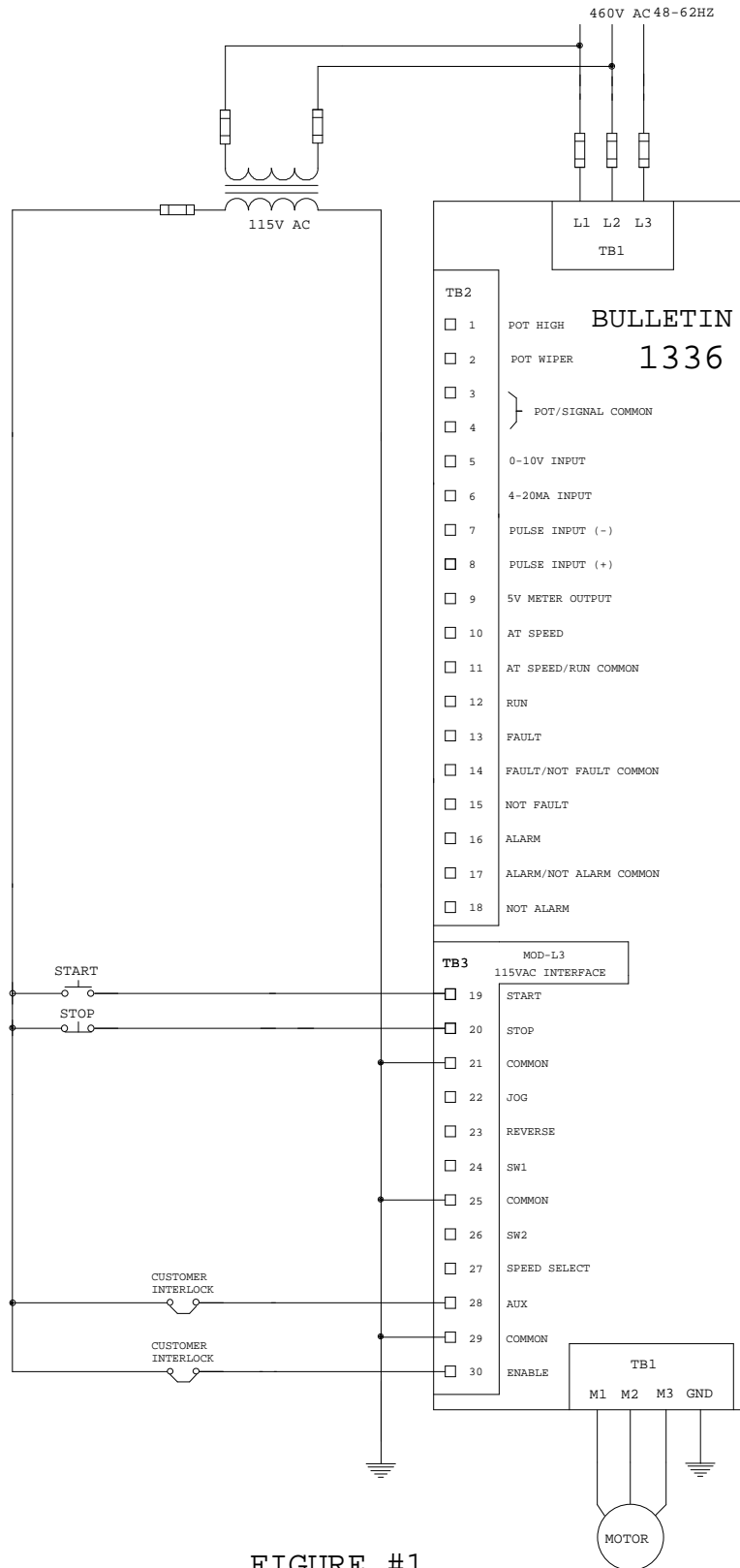


FIGURE #1

115V AC INTERFACE WITH UNGROUNDED SUPPLY

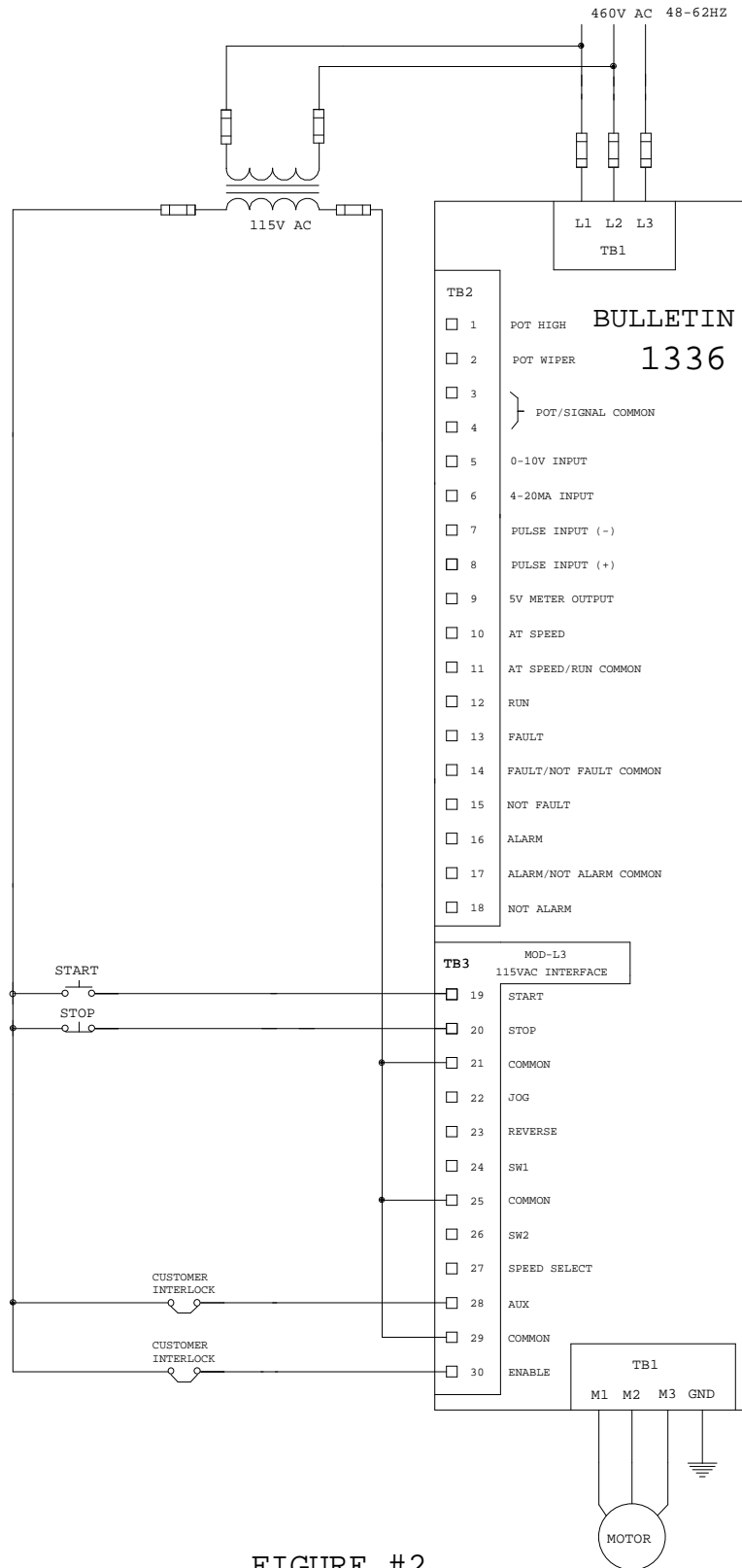


FIGURE #2