

<b>APPLICATION NOTE</b>	<b>FECA-AN-121</b>
<b>Three-Wire Start/Stop Wiring and Function Codes</b>	

<b>Inverter type</b>	FRENIC Eco series
<b>Software version</b>	All versions
<b>Required options</b>	None
<b>Related documentation</b>	-
<b>Author</b>	Shane Spencer
<b>Date</b>	12/21/2011
<b>Revision</b>	

### Introduction:

This application note addresses the wiring and function code setup for three-wire start/stop operation using the **FRENIC Eco** drive. When started by pushing the FWD or REV push button, the X1 terminal holds that corresponding FWD or REV run command. When the STOP push button is pressed, the run command is released, and the drive stops.

Note 1: FWD and REV are normally-open, momentary contacts. STOP is a normally-closed, momentary contact. These contacts are customer-supplied.

Note 2: For more information concerning three-wire operation, refer to page 5-47 of **FRENIC Eco Instruction Manual**.

**TABLE 1: Function Code Settings**

Function Code	Setting	Description
F02	1	Enable terminal FWD/REV run command
E01	6	(HLD) Enable 3-wire operation – X1 terminal

### WIRING DIAGRAM

