Fuji Electric
e-Front runners

APPLICATION NOTE	FECA-AN-182

Three-Wire Start/Stop
Wiring and Function Codes

Inverter type	FRENIC-Ace
Software version	All versions
Required options	None
Related documentation	FRENIC-Ace User's Manual
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Revision	-

Introduction:

This application note addresses the wiring and function code setup for three-wire start/stop operation using the **FRENIC-Ace** 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.

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