

Z1000 QUICK REFERENCE GUIDE

SIMPLE AND EASY SETUP!

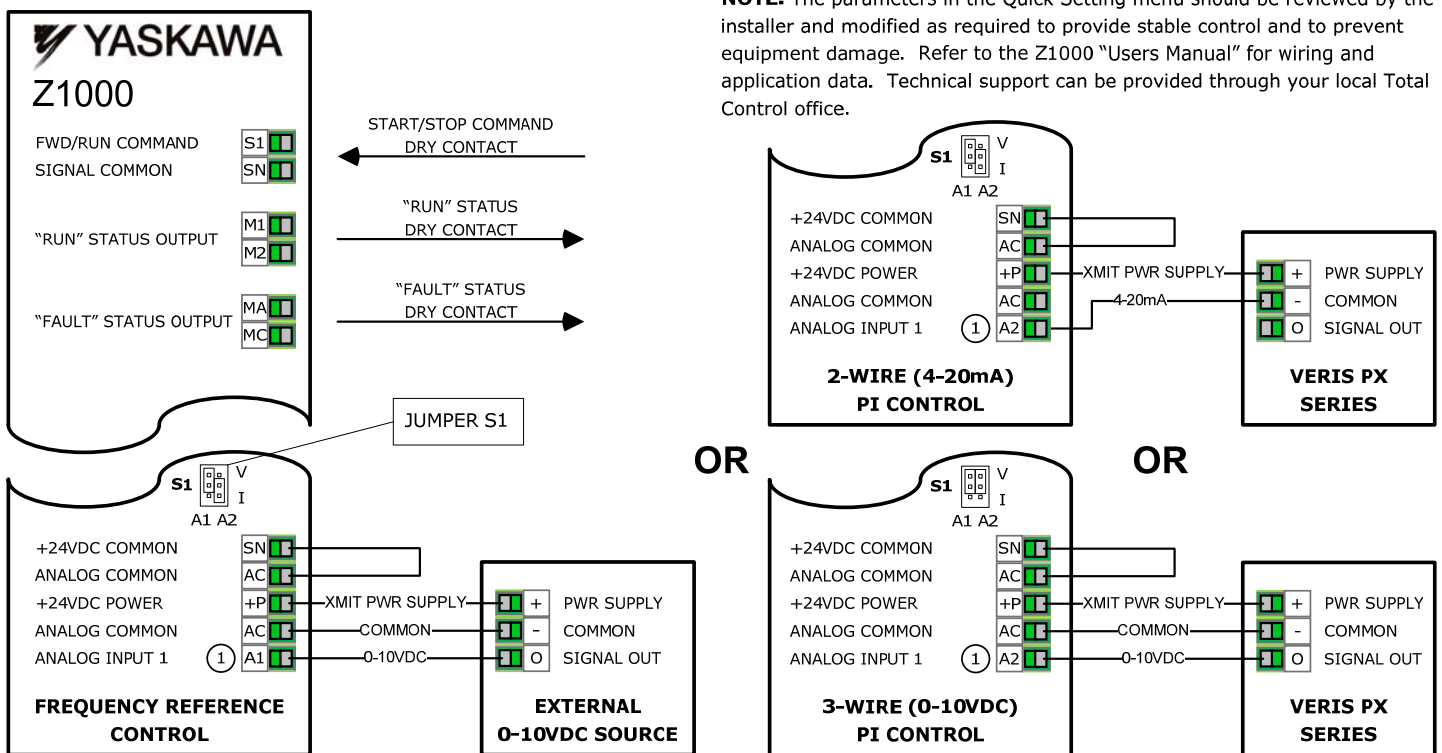
The Z1000 drive is factory-configured to control from a 0-10VDC signal (Input A1) generated from an external source such as a building automation system or a single loop controller. Refer to the control wiring details below for your application. Only a single parameter (Motor Rated Current: E2-01, found in **Quick Setting**) must be modified by the installer for this drive to operate out of the box!

INTERNAL PID CONTROL

This drive is capable of controlling itself using its internal control loop when enabled (Application Preset: A1-06, found in **Quick Setting**). By adjusting parameter A1-06, the drive can be configured for a variety of applications such as Fan (Duct Static), Return Fan (Space Static), Cooling Tower Fan, or Pump (all with or without PI Control). When PI Control is enabled, the transmitter input type is defaulted to 4-20mA (Input A2).

QUICK SETTING MENU

The *RSD Total Control* custom parameters specific to HVAC applications have been placed in the **Quick Setting** menu for easy access and have been pre-set to commonly used values. The **Quick Setting** menu can be found by pressing the DOWN (or UP) HOA button 3 times when viewing the default **Freq Ref** screen. These parameters can be modified to provide the control stability needed for your specific application. The **Programming** menu contains all other parameters that are available for modification.



① Use parameters H3-01 and H3-09 (found in the **Programming** menu) to configure inputs A1 and A2 for either voltage or current input depending upon your application. By default, the A2 input is configured for 4 to 20mA (setting "2"). Change H3-09 to setting "0" to use 3-wire (0 to 10VDC) PI control. Be sure to also adjust Jumper S1 appropriately (shown above).

FOR ADDITIONAL HELP, CALL YOUR LOCAL RSD OR TOTAL CONTROL OFFICE!