

D5872
rev A 6/6/01
akn

DD Programming ABB VFD Model ACS 140 open on fault

Install control panel on drive. The control panel is considered local (LOC) control, and external inputs are considered remote (REM).

Press and hold the Menu and Enter buttons until LOC is displayed.

Press Menu

Press the up or down arrows until -LG- appears

Press and hold Enter until =LG= appears

Press the up or down arrows until =99= appears

Press Enter to get into 99 menu

Set the following. Use the up or down arrows to get to the next parameter, then press and hold Enter until SET appears. Press the up or down arrows to set the value, then press Enter.

Group 99 - Start up Data

9902	1	application macro PID control
9905	?	motor nameplate voltage
9906	?	motor nameplate current
9907	?	motor nameplate frequency
9908	?	motor nameplate rpm

Group 10 - Command Inputs

1001	1	
1002	1	
1003	1	rotation direction - forward

Group 11 - Reference Select

1101	1	keypad reference select - Hz
1102	6	external control location 1 - EXT1
1103	1	external reference 1 (EXT REF1) select - analog input 1
1104	6	EXT REF1 minimum Hz
1105	60.0	EXT REF1 maximum Hz
1106	1	EXT REF2 select - analog input 1
1107	0%	EXT REF2 min %
1108	100%	EXT REF2 max %

Group 13 - Analog Inputs

1301	37	minimum value of analog input 1 in percent
1302	56	maximum value of analog input 1 in percent
1303	3.0	input filter time constant

Group 14 - Relay Outputs

1401 3 fault - open on fault

Group 20 - Limits

2007 6 minimum operating frequency

2008 60 maximum operating frequency

Group 30 - Fault Functions

3001 0 Analog Input < min - no function

When all parameters have been set, press Menu to get back to 2-digit display. Press the up or down arrows until =LG= appears. Press and hold Enter until -LG- appears. Press the up or down arrows until -UL- appears, then press and hold Enter until UL flashes. This uploads the data to the control panel. If you don't want to upload, press Menu (while -LG- shows) to get back to the main display.