

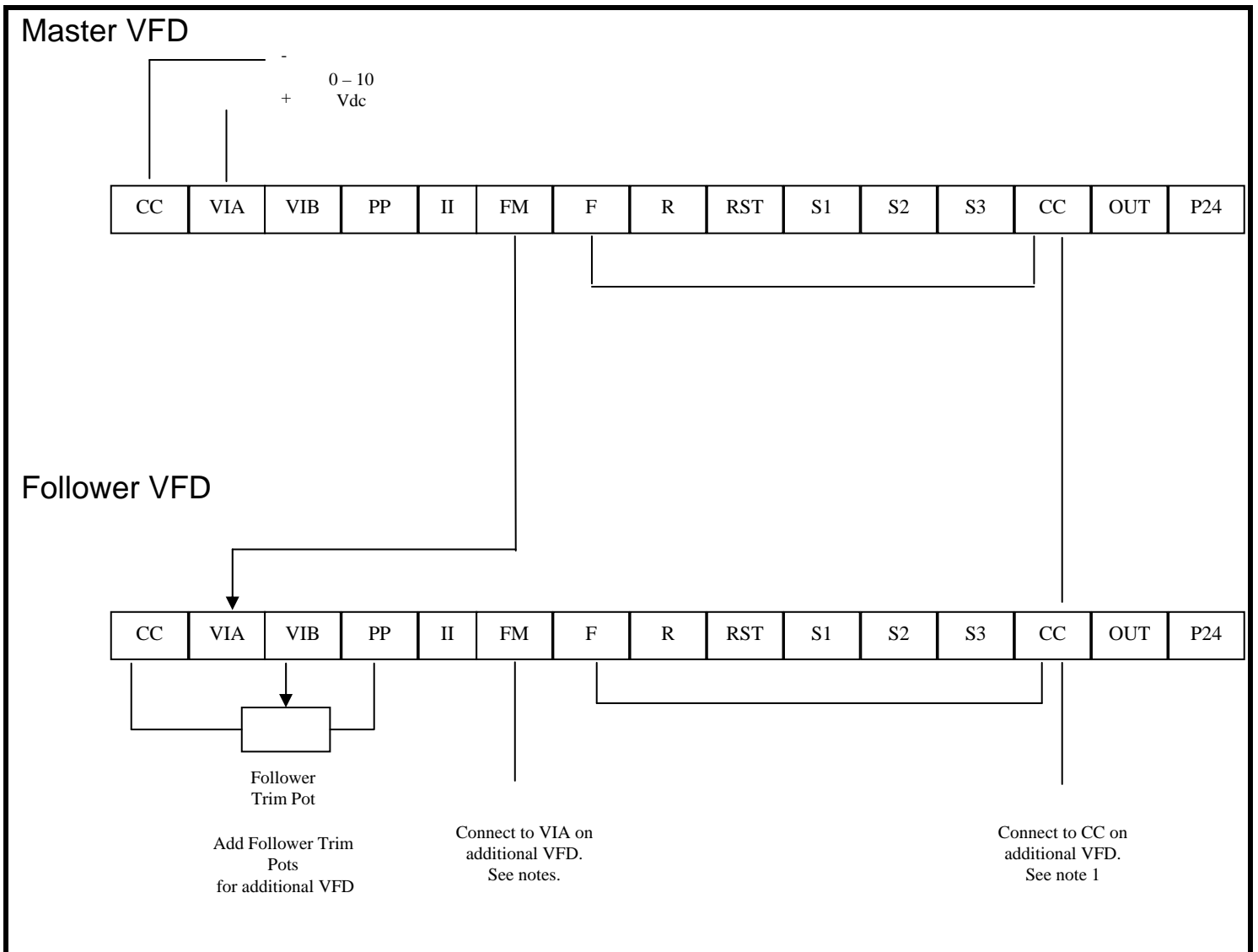
S11 APPLICATION GUIDELINE 5.3

S11 Follower Trim Pot

Introduction

This procedure will allow a Master S11 with a 0 – 10 V speed reference signal to control the speed of a Follower S11/S11's where the Follower's speed can be adjusted manually with a trim pot.

Connections



Note 1: Repeat FM/CC to VIA/CC for additional follower VFD's.

For additional assistance, please contact Toshiba Adjustable Speed Drive Marketing Dept. at (800) 872-2192

Programming

Master VFD

Parameter	Description	Default Value	New Value
<i>C70d</i>	Command Mode Selection	<i>1</i> Operational Panel	<i>0</i> Terminal Board
<i>F70d</i>	Frequency Mode Selection #1	<i>0</i> Built-in Potentiometer	<i>1</i> VIA
<i>F75L</i>	Meter Selection	<i>0</i> Output Frequency	<i>13</i> VIA Input Value
<i>F201</i>	VIA input Point 1 Setting	<i>0</i> %	<i>0</i> %
<i>F202</i>	VIA input Point 1 Frequency	<i>0</i> Hz	<i>0</i> Hz
<i>F203</i>	VIA input Point 2 Setting	<i>100</i> %	<i>100</i> %
<i>F204</i>	VIA input Point 2 Frequency	<i>50</i> (WP) <i>60</i> (WP,WN) Hz	<i>60</i> Hz

Follower VFD

Parameter	Description	Default Value	New Value
<i>C70d</i>	Command Mode Selection	<i>1</i> Operational Panel	<i>0</i> Terminal Board
<i>F70d</i>	Frequency Mode Selection #1	<i>0</i> Built-in Potentiometer	<i>6</i> VIA + VIB (Override)
<i>F75L</i>	Meter Selection	<i>0</i> Output Frequency	<i>13</i> VIA Input Value
<i>F210</i>	VIB input Point 1 Setting	<i>0</i> %	<i>0</i> %
<i>F211</i>	VIB input Point 1 Frequency	<i>0</i> Hz	<i>0</i> Hz
<i>F212</i>	VIB input Point 2 Setting	<i>100</i> %	<i>100</i> %
<i>F213</i>	VIB input Point 2 Frequency	<i>50</i> (WP) <i>60</i> (WP,WN) Hz	<i>15</i> Hz

Notes:

- Perform a type reset (see pg. K-2 of the S11 operation and maintenance manual for details) before implementing the program above.
- The Trim Function is only active on the Follower VFDs.
- The Follower VFD can only add an increase of 0 – 15 Hz to its speed.
- The appropriate Acceleration and Deceleration times will need to be adjusted for each process.
- No combination of reference and trim will cause a change in rotation direction.

Revision History:

Rev.	Date	Written/Revised By	Approved By	Description
5.3	6/23/2011	Joshua Austin	Eric Houg	Formatting. Revised to incorporate document control requirements.

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