

Yaskawa AC Drive A1000 Supplemental Technical Manual - New Functions with Software Upgrade

Introduction

This supplemental technical manual describes the functions added with an A1000 software upgrade, and should be read to ensure proper usage. Read this manual together with the A1000 Technical Manual (manual No. SIEP C710616 21/SIEP C710616 27/SIEP C710616 41) that can be found on the CD-ROM delivered with the product. Always observe the safety messages and precautions to ensure correct application of the product.

Applicable Software Version

This supplemental technical manual applies to A1000 software versions PRG: 1027 or later. The software version is indicated on the nameplate affixed to the side of the product, and also can be viewed by using monitor parameter U1-25.

■ Parameters Modified by Standard Software Upgrade

■ : Modified in software version PRG: 1027. (A: Available, N/A: Not available)

No. (Addr.)	Name	Description	Range	Default	Changes during Run	Control Mode (Default)						
						V/f	V/f w/PG	OLV	CLV	OLV/PM	AOLV/PM	CLV/PM
b3-14 (19EH)	Bi-Directional Speed Search Selection	<p>Sets the direction in which the motor starts to rotate after the speed search.</p> <p>0: Disabled If there is no residual voltage, the motor rotation direction search is disabled and the drive uses the frequency reference to determine the direction of motor rotation in order to restart the motor. (If there is residual voltage, the motor rotation direction search is enabled and the drive detects the motor rotation direction in order to restart the motor.)</p> <p>1: Enabled The motor rotation direction search is enabled and the drive detects the motor rotation direction in order to restart the motor, regardless of the residual voltage.</p> <p>2: Disabled 2 The motor rotation direction search is disabled and the drive uses the frequency reference to determine the direction of motor rotation in order to restart the motor, regardless of the residual voltage. This setting cannot be used when the motor is coasting in the opposite direction of the Run command.</p>	0 to 2	Determined by Control Mode	N/A	A (1)	A (0)	A (1)	N/A	N/A	N/A	N/A