



Technical Support E-mail

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ACR Memory Usage

AcroBASIC Command	9000/9030/9040	Aries CE Controller
FLASH ERASE	Erases the user image from flash	Erases stored programs
FLASH LOAD	Loads the user image from flash.	Loads programs from flash
FLASH RES	<p>Command returns the controller to factory settings. Performs the following actions:</p> <ul style="list-style-type: none"> clears all memory dimensioned for programs, variable, arrays, and data logging resets the communication stream dimensions erases all system parameters erases user images from flash memory resets the hardware configuration cycles power to the controller. 	<p>Command returns the controller to factory settings.</p> <p>Performs the following actions:</p> <p>Erases motor configuration and user programs (ERASE + FLASH ERASE)</p>
FLASH SAVE	<p>Stores an image of the user programs and PLC programs in the flash.</p> <p>If the image is detected in the flash on power-up, the card will load user programs and PLC's from flash instead of relying on the battery backup memory. User Global Variables reside in battery backup memory and are not affected by the program transfer.</p>	Saves all programs to flash
FLASH IMAGE	<p>stores an image of the user programs and PLC programs, as well as the User Global Variables</p> <p>If an image is detected in the flash on power-up, the controller loads the user programs, PLC's, and user variables from flash instead of relying on the battery backup memory.</p>	Saves all programs to flash
ESAVE	stores system parameters into flash system parameter section to be retrieved on power-up or by issuing an ELOAD command	N/A
ERASE	<p>erases all system parameter information from the flash system parameter. When you next cycle power, the controller uses the factory default settings or flash values.</p> <p>NOTE: This command should be used with caution since it destroys setup information.</p> <p>NOTE: returns IP address back to default.</p> <p>NOTE: Program memory allocation is stored in battery-backup RAM, not in the EEPROM.</p> <p>NOTE: FLASH commands (FLASH SAVE, FLASH ERASE, etc.) have no effect on the system parameters.</p>	<p>Erases motor configuration parameters and drive setup parameters and sets them to their defaults. Does not erase stored programs</p> <p>Erased drive and axis parameters</p> <p>Reboots controller</p>



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ACR Memory Usage

	90x0PxUxMx	90x0PxUxBx	AR-xxCE
Save User Programs	FLASH SAVE or FLASH IMAGE	Programs retained in USER RAM with BBRAM	FLASH SAVE or FLASH IMAGE
Save System Parameters (Attachments, Masters)	ESAVE	ESAVE	FLASH SAVE or FLASH IMAGE
Clear User Programs	FLASH ERASE	NEW or NEW ALL	FLASH ERASE
Save Axis Set-up Parameters (Gains, PPU, etc)	ESAVE	ESAVE	Retained in USER RAM
Save User Global Variables (P0-4095)	FLASH IMAGE	Retained in USER RAM with BBRAM	FLASH IMAGE
Save Local Variables	N/A	Retained in USER RAM with BBRAM	Retained in USER RAM
Save User Global Variables (C168-C199, C200-C231)	N/A	N/A	Retained in USER RAM