

# THE DRIVE DOES NOT RUN AT LAST SPEED WHEN CONTROLLER IS SWITCHED TO PROGRAM MODE

## Description:

The issue is the drive does not run at last speed when the controller is switched to program mode and the drive parameters 30.18 is programmed to "Last Speed". This can happen with a RCNA-01 (ControlNet), RDNA-01 (DeviceNet) or RETA-01 (EtherNet/IP) installed on an ACx550, ACS800 or DCS800 drive.

## Answer:

Not running at Last Speed when the controller is switched into program mode, there is an object that needs to be program in the Fieldbus option modular. The object that controls this is called the "Control Supervisor Object, Class 0x29" This object models all the management functions for devices within the Hierarchy of Motor Control Devices and is active only when using AC/DC Drive profile. The ID#14 in the RCNA-01 and RETA-01 and ID#20 in the RDNA-01 will change how the drive acts when the controller is switched into program mode. The Default setting is a 0 = Stop, program this to 1 = Ignore Idle or 2 = Imitate communication fault function and the drive will then run at last speed.

### RCNA-01 and RETA-01

0x14	Net Idle Mode <sup>5)</sup>	Get/Set	0 = Stop (default) 1 = Ignore Idle 2 = Imitate communication fault function	USINT
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### RDNA-01

20	Net Idle	Get, Set	Action taken when the master goes to idle state in Generic drive profile 0 = Stop 1 = Freeze (keep running) 2 = Fault	
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Product Categories: RCNA-01, RDNA-01, RETA-01, ACx550, ACS800, DCS800		



***Documents or other reference material:***

User's Manual Ethernet Adapter Module RETA-01	3AFE64539736
User's Manual DeviceNet Adapter Module RDNA-01	3AFE64504223
User's Manual ControlNet Adapter Module RCNA-01	3AFE64506005

***Corrective Actions:***

Follow the instructions above.

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