

# Instruction Manual Update

The attached two pages replace the parameter descriptions for P.062 = 1 and P.062 = 2 in the following instruction manuals:

Manual No.	Manual Title	Page
D2-3308-4	AutoMax Network Communication Option Board for use with the GV3000/SE AC Drive	4-3
D2-3308-5	AutoMax Network Communication Option Board for use with the GV3000/SE AC Drive	3-5 and 3-6
D2-3308-6	AutoMax Network Communication Option Board for use with the GV3000/SE AC Drive	3-5 and 3-6
D2-3359-2	GV3000/SE AC General Purpose (Volts/Hertz) and Vector Duty Drive Software Start-Up and Reference Manual V6.0	4-49 and 4-50
D2-3359-3	GV3000/SE AC General Purpose (Volts/Hertz) and Vector Duty Drive Software Start-Up and Reference Manual V6.03	4-49 and 4-50
D2-3372-1	VTAC 7 User Guide V6.0	10-41 and 10-42
D2-3387-2	GV3000/SE 230 VAC 1-20 HP General Purpose (Volts/Hertz) and Vector Duty Drive Software Start-Up and Reference Manual V6.0.	4-49 and 4-50
D2-3387-3	GV3000/SE 230 VAC 1-20 HP General Purpose (Volts/Hertz) and Vector Duty Drive Software Start-Up and Reference Manual V6.03	4-49 and 4-50
D2-3391-2	GV3000/SE 460 VAC General Purpose (Volts/Hertz) and Vector Duty Drive M/Ns: 75V4060-200V4060 Software Start-Up and Reference Manual V6.0	4-49 and 4-50
D2-3410	Liqui-Flo AC General Purpose (Volts/Hertz) and Vector Duty Drive Software Start-Up and Reference Manual	4-49 and 4-50
D2-3410-1	Liqui-Flo AC General Purpose (Volts/Hertz) and Vector Duty Drive Software Start-Up and Reference Manual	4-49 and 4-50
D2-3416	GV3000/SE 230 VAC 30-100 HP General Purpose (Volts/Hertz) and Vector Duty Drive Software Start-Up and Reference Manual V6.0	4-49 and 4-50
D2-3426	GV3000/SE AC General Purpose (Volts/Hertz) and Vector Duty Bookshelf Drive Software Start-Up and Reference Manual V6.03	4-49 and 4-50
HE-HGV3DN Revision B	DeviceNet Network Communication Option Board for use with the Reliance Electric GV3000 AC Drive	5-3 and 5-4

Please cross out the existing information in your manual and attach these pages to the manual for ready reference.

# Instruction Manual Update

## If P.062 = 1

The drive continues to operate using the last reference received from the network master.



**ATTENTION:** In volts/hertz regulation, if P.000 (Control Source) is set to OP (Option Port), and P.062 is set to 1 (hold last reference), and the drive loses communication with the network, the drive will maintain the last frequency command sent to it. Ensure that drive machinery, all drive-train mechanisms, and application material are capable of safe operation at the maximum operating speed of the drive. Failure to observe this precaution could result in bodily injury.

**ATTENTION:** In vector regulation, if U.000 (Torque Reference Source) is set to 2 (Option Port), and P.062 is set to 1 (Hold Last Reference), and the drive loses communication with the network, the drive will no longer be regulating speed. Instead, motor speed will vary according to the load, up to the overspeed limit. Ensure that driven machinery, all drive-train mechanisms, and application material are capable of safe operation at the maximum operating speed of the drive. Failure to observe this precaution could result in bodily injury.

**ATTENTION:** When P.055 is set to ON, the STOP/RESET key is functional only from the selected control source. As a safety precaution, Reliance Electric recommends that an emergency stop pushbutton be located near the drive in an easily accessible location. As a further safety precaution, the user should post a warning on the drive to alert personnel that the STOP/RESET key is not functional. Failure to observe this precaution could result in severe bodily injury or loss of life.

The response to network communication loss is:

- The drive continues to operate using the last reference received from the network master.
- An entry is made into the drive's error log for each active-to-inactive transition of network communication status.
- The front panel REMOTE LED blinks, indicating that the network is inactive.

If network communication is re-established, the drive will again follow the reference and sequencing control inputs supplied by the network master. Note that if P.054 = ON and the start and stop inputs are on (1), the drive will start.

Note that in this configuration, it might not always be possible to stop the drive over the network.

# Instruction Manual Update

## If P.062 = 2

The drive gets its speed/torque reference from the terminal strip analog input and its stop input from the terminal strip stop input. All other inputs are held at the last values received from the network master.

This allows the network master to continue controlling the drive reference with a direct-wired analog output to input, and to stop the drive with a direct-wired digital output to input.

Note that if P.054 (Level Sense Start Enable) = OFF and the drive is stopped while in this mode, it cannot be re-started until network communication is re-established or the Control Source (P.000) is changed.



**ATTENTION:** If P.062 = 2 and P.054 (Level Sense Start Enable) = ON and network communication is lost while the drive is running, the terminal strip stop input will function as a STOP/RUN input. If the terminal strip stop input is opened, the drive will stop. If the terminal strip stop input is closed, the drive will re-start. Failure to observe this precaution could result in severe bodily injury or loss of life.

Note that in this configuration, it might not always be possible to stop the drive over the network.

The response to network communication loss is:

- The drive continues to operate using the analog input from the Regulator board terminal strip.
- An entry is made into the drive's error log for each active-to-inactive transition of network communication status.
- The front panel REMOTE LED blinks, indicating that the network is inactive.

If network communication is re-established, the drive will again follow the reference and sequencing control inputs supplied by the network master. Note that if P.054 = ON and the start and stop inputs are on (1), the drive will start.



**ATTENTION:** The drive is not equipped with a coast-stop pushbutton. You must install a hardwired operator-accessible pushbutton that provides a positive interrupt and shuts down the drive. See the drive hardware instruction manual for wiring information. Failure to observe this precaution could result in bodily injury.

**U.S. Drives Technical Support**

Tel: (1) 262.512.8176, Fax: (1) 262.512.2222, Email: [support@drives.ra.rockwell.com](mailto:support@drives.ra.rockwell.com), Online: [www.ab.com/support/abdrives](http://www.ab.com/support/abdrives)

Trademarks not belonging to Rockwell Automation are property of their respective companies.

**[www.rockwellautomation.com](http://www.rockwellautomation.com)**

---

**Power, Control and Information Solutions Headquarters**

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846