

15H885 Ethernet Upgrade Kit

311612 rev.A

Allows a computer to communicate with the Graco Variable Frequency Drive (VFD).



Important Safety Instructions

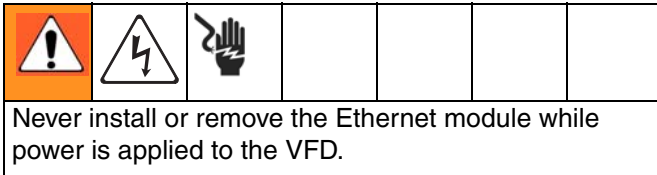
Read all warnings and instructions in this manual and in Variable Frequency Drive manual 311596. Save these instructions.



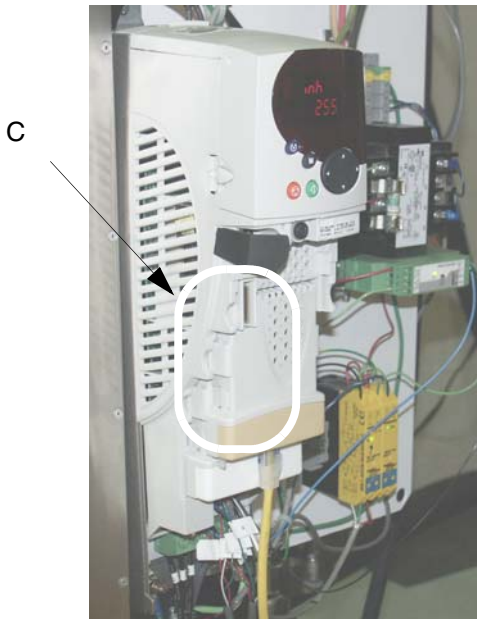
Refer to SM-Ethernet User Guide by Control Techniques for detailed installation and operation instructions.

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Installation and Operation




1. Disconnect power to the VFD.
2. Disable the Hardware Enable input (press Secure Disable switch).
3. Install Ethernet Module (C) into slot 2 on the VFD (or slot 1 if slot 2 is not available).



4. Apply power to the VFD.
5. If this is the first time Ethernet module is installed into the VFD, "SL2.dF" fault becomes active. Reset the fault by pressing the red Stop/Reset switch.
6. Set IP address:
IP address is located in Pr **MM.10**, **MM.11**, **MM.12**, and **MM.13** (Pr **16.10**, **16.11**, **16.12**, and **16.13** if slot 2 is used).

For a Fixed IP address:


- a. Default IP address is **192.168.1.100**. If default IP address is acceptable, navigate to Pr **MM.00** (Pr **16.00** if installed in slot 2), set its value to **1000**, and press the red Stop/Reset switch to save the default address, which will allow the Ethernet module to use it at every power-up.
- b. If IP address must be changed from the default, change the address, then navigate to Pr **MM.00** (Pr **16.00** if installed in slot 2), set its value to **1000**, and press the red Stop/Reset switch.
- c. For the module to start using the new address, the module needs to be reset. Navigate to Pr **MM.00** (Pr **16.00** if installed in slot 2), set its value to **1070**, and press the red Stop/Reset switch to reset the module.

 Note that Code **1070** will cause the AppsLite module to reset as well, which will cause the pump to stop running if it was not stopped prior to the reset.

DHCP (Dynamic Host Configuration Protocol)


DHCP server can provide the SM-Ethernet module with an IP address:


- a. Navigate to Pr **MM.05** (Pr **16.05** if installed in slot 2) and set it to 1, allowing use of DHCP.
- b. Navigate to Pr **MM.00** (Pr **16.00** if installed in slot 2), set its value to **1000**, and press the red Stop/Reset switch to save the change, which will allow the Ethernet module to use DHCP.
- c. For the module to start using DHCP and to acquire the IP address, the module needs to be reset. Navigate to Pr **MM.00** (Pr **16.00** if installed in slot 2), set its value to **1070**, and press the red Stop/Reset switch to reset the module.

 Note that Code **1070** will cause the AppsLite module to reset as well, which will cause the pump to stop running if it was not stopped prior to the reset.

E-Flo Plus Software

The CD supplied with the kit includes zipfile 15K581, which contains the E-Flo Plus software (Visual Basic application). Install the CD into your computer, extract the files from the zipfile, and follow the software installation instructions as they appear on the screen.

Once the installation is complete the  icon will appear on the screen.

 Graco uses a Visual Basic program to display the run screen on the computer. **This software and program is not supported by Graco.**

See the instruction in the VFD manual 311596 to complete the software installation and for operating instructions.

Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

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Graco Information

TO PLACE AN ORDER, contact your Graco distributor or call to identify the nearest distributor.

Phone: 612-623-6921 **or Toll Free:** 1-800-328-0211 **Fax:** 612-378-3505

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