Electronic Fluid Commander Meter Pulse Converter

Part No. 244342

A converter that allows the Graco Pulse Meter (215474) to work with the Electronic Fluid Commander (EFC) Dispensing Controls 235531, 235532, 232076, 232077, 240448, or 241905 for dispensing antifreeze or oil.
## WARNING

**EQUIPMENT MISUSE HAZARD**

Equipment misuse can cause the equipment to rupture or malfunction and result in serious injury.

- This equipment is for professional use only.
- Read all instruction manuals, tags, and labels before operating the equipment.
- Use the equipment only for its intended purpose. If you are uncertain about usage, call your Graco distributor.
- Do not alter or modify this equipment.
- Check equipment daily. Repair or replace worn or damaged parts immediately.
- Do not exceed the maximum working pressure of the lowest rated system component. See the instruction manuals of the individual system components for their maximum working pressures.
- Handle hoses carefully. Do not pull on hoses to move equipment.
- Route hoses away from traffic areas, sharp edges, moving parts, and hot surfaces. Do not expose Graco hoses to temperatures above 66°C (150°F) or below –40°C (–40°F).
- Do not stop or deflect fluid leaks with your hand, body, glove, or rag.
- Follow appropriate **Shutdown Procedures** whenever you stop dispensing; or clean, check, or service the equipment.
- Comply with all applicable local, state, and national fire, electrical, and safety regulations.

## FIRE AND EXPLOSION HAZARD

Improper grounding, poor ventilation, open flames or sparks can cause a hazardous condition and result in a fire or explosion and serious injury.

- Connect the electronic dispensing control to a grounded outlet. Ground the other equipment as instructed in their separate instruction manuals.
- All electrical products must be wired by a qualified electrician.
- The control and all electrical products described in this manual must be installed in a non-hazardous location.
- If there is any static sparking or you feel an electric shock while using this equipment, **stop dispensing immediately**. Do not use the equipment until you identify and correct the problem.
- Keep liquids away from the electrical components.
- Disconnect electrical power at the main switch before servicing the equipment.
- Keep the dispense area free of debris, including solvent, rags, and gasoline.
- Do not smoke in the dispense area.
- Keep away from sources of heat.
Installation

Mount the Converter
Mount the converter (Fig.1) to the wall or other secure surface using the mounting holes. Do not let the unit hang unsecured.

⚠️ CAUTION
Do not mount the pulse converter near a heat source.

Connect the Converter

NOTE: When connecting the converter to the pulse meter, use only the connecting cables permanently attached to each unit. Do not use extension cables to lengthen the distance between the pulse meter and the converter. A distance greater than 24 inches (61 cm) between the units can degrade the signal.

1. Turn off the Electronic Fluid Commander and unplug it.
2. Connect the converter to the pulse meter first using the connector with two female sockets.
3. Connect the converter to the Electronic Fluid Commander (EFC) using the remaining male connector.
4. Plug in the Electronic Fluid Commander and turn on the switch at the rear of the control.

Note: During power–up, all display segments must show and all stations and dispense lights must light steadily for 3 to 4 seconds. When the display shows four dashes, enter your security code. (Refer to the Electronic Fluid Commander manual for details).

Technical Data

Pulse Converter Technical Data

<table>
<thead>
<tr>
<th>Category</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature</td>
<td>–4°F (-20°C) to 176°F (80°C)</td>
</tr>
<tr>
<td>Max. VDC</td>
<td>15 VDC at 20mA</td>
</tr>
<tr>
<td>Wiring Gauge Required</td>
<td>18 AWG 2 wire / 90V</td>
</tr>
<tr>
<td>Wiring Polarity</td>
<td>Red = + (positive)</td>
</tr>
<tr>
<td></td>
<td>Black = – (negative)</td>
</tr>
</tbody>
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Fig. 1

Female connector to Pulse Meter (Graco part number 215474)

Male connector to EFC

Mounting holes

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Graco Standard Warranty

Graco warrants all equipment manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Graco distributor 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.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non–Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

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THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco’s sole obligation and buyer’s sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

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Graco Phone Number

TO PLACE AN ORDER, contact your Graco distributor, or call this number to identify the distributor closest to you:

1–800–533–9655 Toll Free
612–623–6928
612–378–3590 Fax

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