

MANUAL NUMBER X030358 | REVISION A | ENGLISH (US)

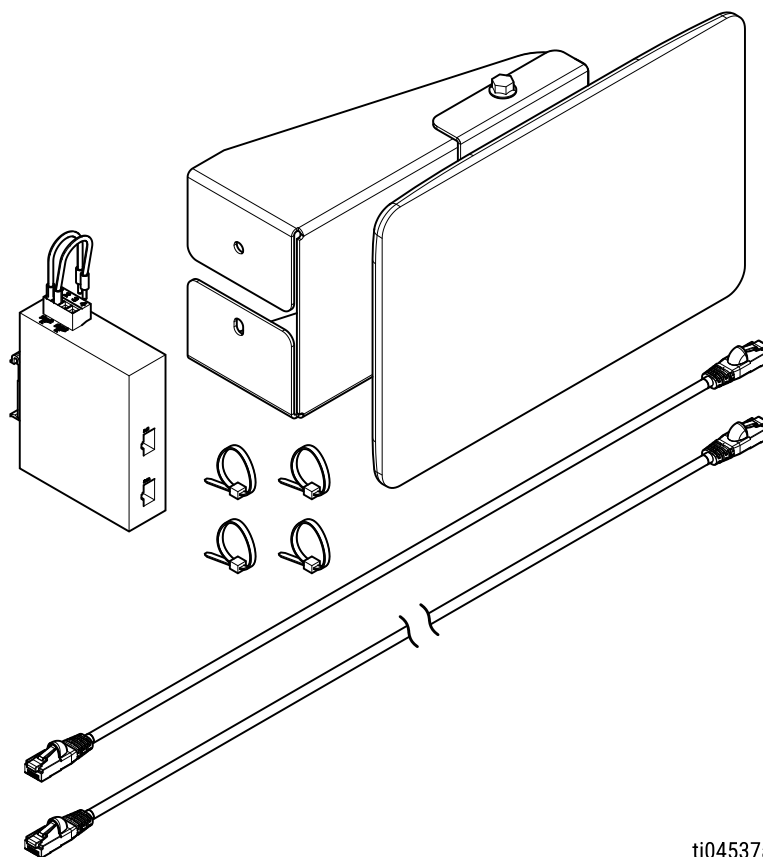
ProMix® V HMI

For installing an HMI on ProMix V Package Meter Proportioner. For professional use only.



Important Safety Instructions

Read all warnings and instructions in this manual before using the equipment. Be familiar with the proper control and usage of the equipment. Save these instructions.



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Model 2012164

Images are for illustrative purposes only

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MODELS

Part numbers reflect distinct features and characteristics of the ProMix V HMI.

PROMIX V HMI MODEL

MODEL	DESCRIPTION
2012164	HMI Kit

RELATED MANUALS

Additional documents are available to support the operation, repair, and maintenance of the HMI. Find English manuals and any available translations at www.graco.com.

Table 2-1: Related Manuals for HMI Accessory Manual X030358

ENGLISH MANUAL	DESCRIPTION
3B0203	ProMix V Package Meter Proportioner, Installation-Operation
3B0361	ProMix V Package Meter Proportioner, Repair-Parts

INSTALLATION

PREPARE EQUIPMENT FOR HMI INSTALLATION

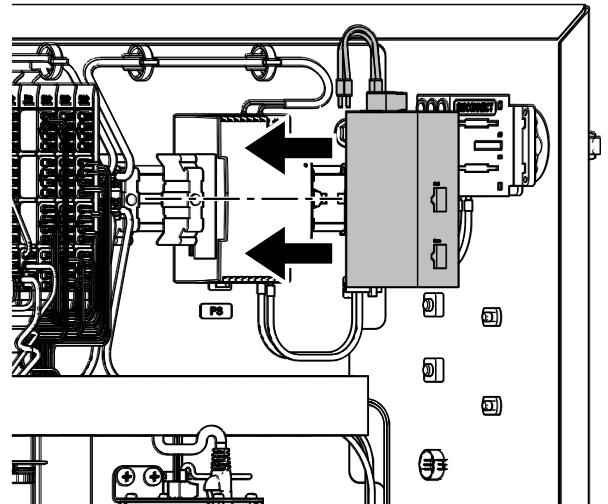
 WARNING				
				
• Shut off main circuit breaker before opening the ProMix V Control Box to avoid the risk of electric shock during the HMI installation. • All electrical wiring must be done by a qualified electrician and comply with all local codes and regulations. • Read the General Warnings in your operation manual 3B0203.				

1. Shut off the main circuit breaker.
2. Turn the main power switch OFF on the ProMix V Package Meter Proportioner.

INSTALL THE HMI

Properly install the ProMix V HMI equipment to ensure optimal performance during use.

1. Open the enclosure door of the ProMix V Package Meter Proportioner.
2. Clip the power over ethernet expansion module (3) onto the DIN rail located to the left of the power supply.



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Figure 3-1: Install Expansion Module

INSTALLATION

3. Connect the red wire (7) and black wire (8) to the power over ethernet expansion module (3). Connect the other end of the red wire to the red terminal block inside the enclosure, and connect the other end of the black wire to the black terminal block inside the enclosure.

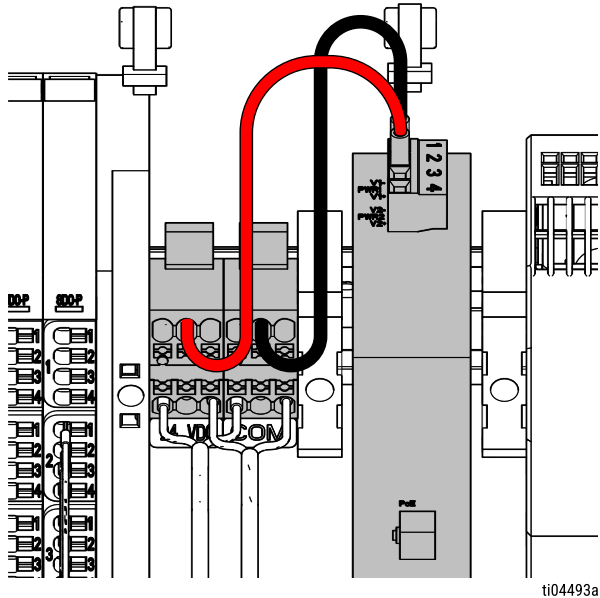


Figure 3-2: Connect Wires

4. Remove the original booth control bracket located on the right side of the ProMix V Package Meter Proportioner enclosure.

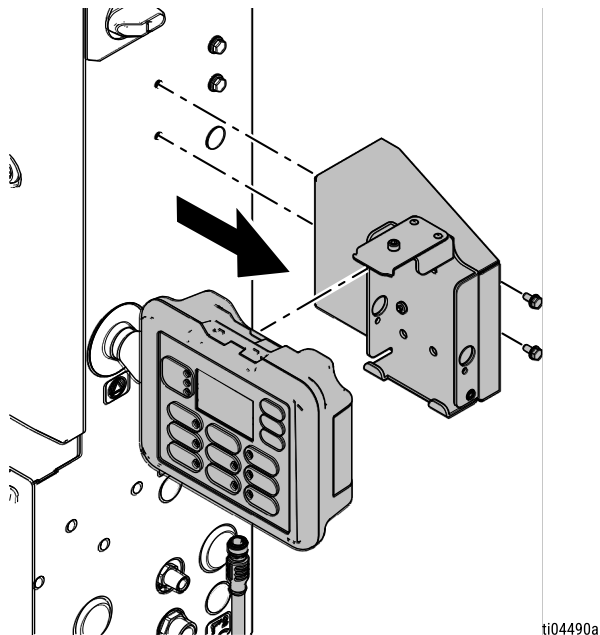


Figure 3-3: Remove Booth Control

5. Install the control mount bracket (9) onto the right side of the ProMix V Package Meter Proportioner enclosure using the screws (13).

6. Attach the HMI display (1) to the top of the control mount bracket (9) and secure using the screw (10) and nut (11).

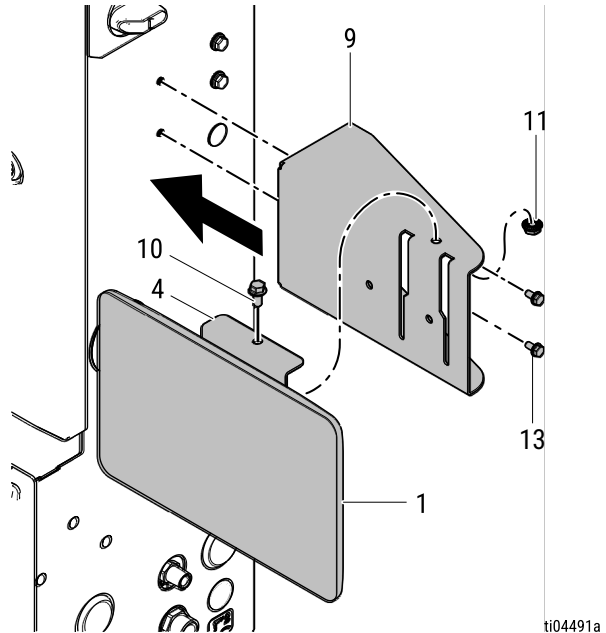


Figure 3-4: Install HMI onto ProMix V

7. Route the ethernet cable (2) through the bottom of the ProMix V enclosure, and connect the cable to the top plug on the power over ethernet expansion module (3) labeled PoE.

8. Use the wire straps (5) to fasten the ethernet cable (2) along the right side of the enclosure.

9. Connect one end of the ethernet cable (14) to the X4 port in the controller in the enclosure, and connect the other end of the cable to the bottom plug on the power over ethernet expansion module (3) labeled Data.

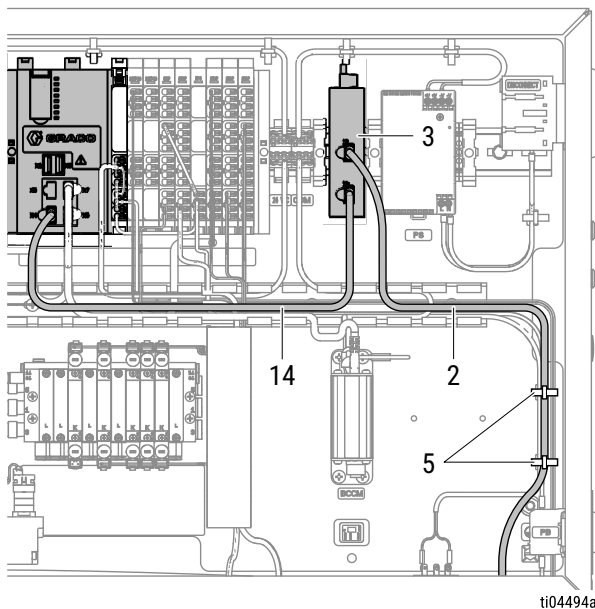


Figure 3-5: HMI Connections

10. Close the enclosure door of the ProMix V PackageMeter Proportioner.
11. Turn the main power switch ON on the ProMix V Package Meter Proportioner.
12. Turn on the main circuit breaker.
13. The HMI will take approximately two and a half minutes to boot up after every power cycle. If the HMI does not boot up in the expected time frame, press the refresh button located on the top right of the HMI display (1).

NOTE:

If a longer ethernet cable (2) is needed, the replacement ethernet cable must be a shielded cable that is routed and secured in the same way described in the previous steps.

14. See the ProMix V Package Meter Proportioner Installation-Operation manual for instructions on using the HMI interface. See [Related Manuals](#), page 4.

CLEANING

CLEAN THE HMI

Clean the HMI using a damp cloth and a suitable cleanser. Approved disinfectant wipes include products from Clorox®, Lysol®, Purell®, Sani-Cloth®, and Lonza (see full list for EPA Reg. Nos.). Avoid spraying liquids directly on the HMI and do not use abrasive materials or harsh chemicals such as high-concentration alcohols, strong solvents, acids, or steel-based tools.

NOTE:

All trademarks or registered trademarks are the property of their respective owners.

- Sponges with abrasives
- Steel blades
- Cloth with steel threads

Approved HMI cleansers:

- Clorox Disinfecting Wipes Reg. No. 5813-79
- Clorox Healthcare Bleach Germicidal Wipes Reg. No. 67619-12
- Clorox Commercial Solutions Hydrogen Peroxide Cleaner Disinfectant Wipes Reg. No. 67619-25
- Lonza® Disinfectant Wipes Reg. No. 6836-313
- Lysol Brand Clean & Fresh Multi Surface Cleaner (20 percent cleaner solution to water ratio) Reg. No. 777-89
- Purell Professional Surface Disinfectant Wipes Reg. No. 84150-1
- Sani-Cloth Prime Germicidal Disposable Wipes Reg. No. 9480-12

Do not use the following to clean the HMI:

- Isopropyl Alcohol at concentration > 70 percent
- Methyl Alcohol or Ethyl Alcohol at concentration > 35 percent
- Thinner or benzine
- Strong alkali lyes
- Strong solvents
- Acids
- Detergents with fluoride
- Detergents with ammonia at concentration > 1.6 percent
- Abrasive cleaners
- Detergents with abrasives
- Formula 409
- Steel wool

RECYCLING AND DISPOSAL

Properly recycle and dispose of the ProMix V HMI at the end of its useful life to minimize environmental impact and to ensure safe handling.

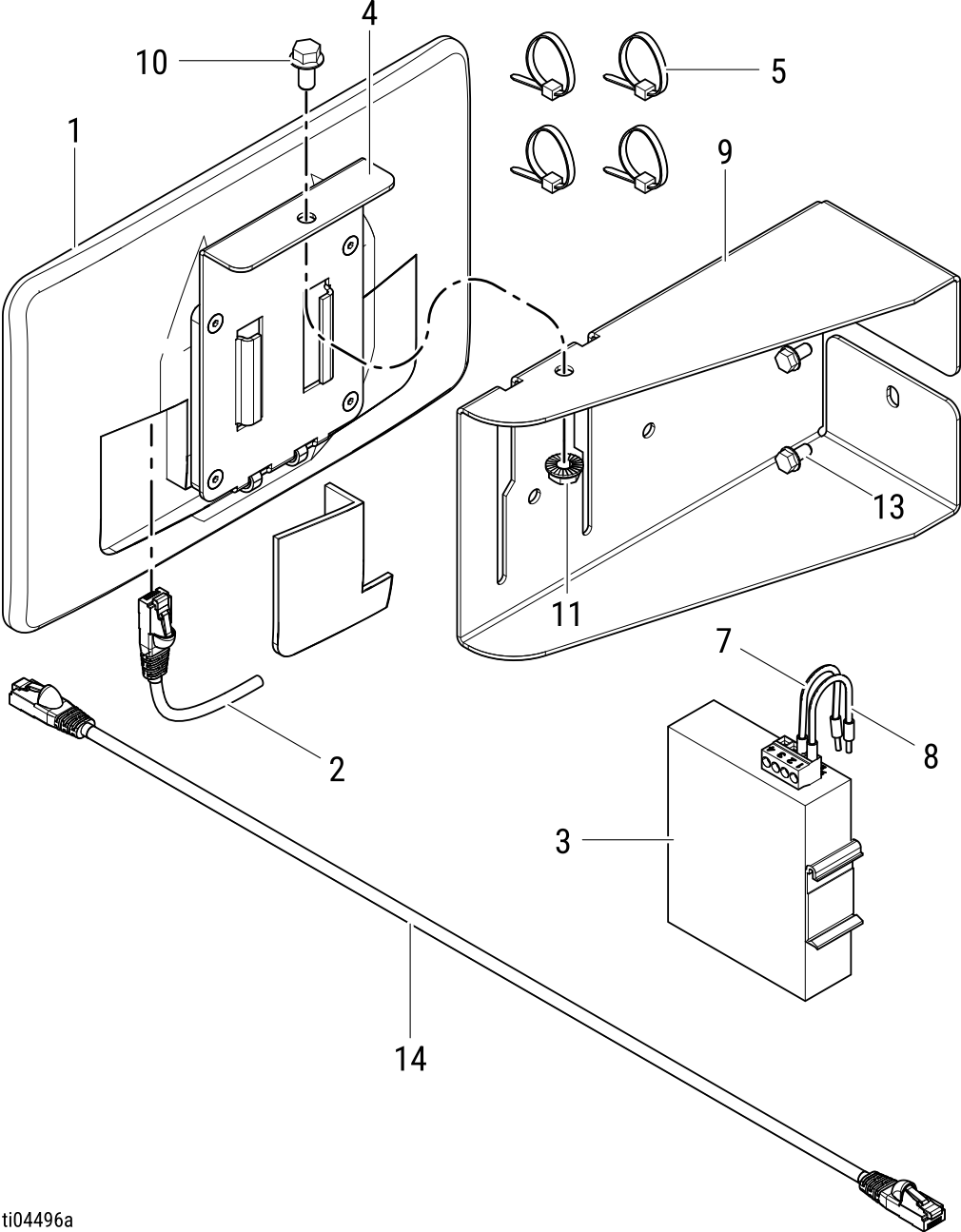
END OF PRODUCT LIFE

At the end of a product's useful life, recycle it in a responsible manner.

PROMIX V HMI PARTS

PARTS DIAGRAM AND LIST

The parts illustration and list shows the components of the ProMix V HMI and the connections that are required for installation.



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Figure 6-1: ProMix V HMI Parts Diagram

PROMIX V HMI PARTS

PARTS LIST

REF.	PART	DESCRIPTION	QTY.
1	---	DISPLAY, HMI, 10 in., Android	1
2	---	CABLE, ethernet, shielded, 2m	1
3	---	MODULE, power over ethernet, expansion	1
4	---	BRACKET, HMI mount	1
5	---	STRAP, tie, wire	4
6	---	MODULE, power over ethernet, injector	1
7	---	WIRE, red, 18 awg, 4.5 in., ferruled	1
8	---	WIRE, black, 18 awg, 4.5 in., ferruled	1
9	---	BRACKET, control mount	1
10	---	SCREW, flange, hex head	1
11	---	NUT, hex, flange head	1
13	---	SCREW, serrated flange, hex head, #10-24 x 3/8	2
14	---	CABLE, ethernet, CAT6A, 1.64 ft	1

CALIFORNIA PROPOSITION 65

CALIFORNIA RESIDENTS



WARNING Cancer and reproductive harm – www.P65warnings.ca.gov.

NOTES

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.

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.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

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.

GRACO MAKES NO WARRANTY, AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN CONNECTION WITH ACCESSORIES, EQUIPMENT, MATERIALS OR COMPONENTS SOLD BUT NOT MANUFACTURED BY GRACO. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

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