

First choice when quality counts.™

Network Interface Kit 244534 and Printer Barrier Kit 244510

For ProBatch™ Dispensing System

These kits include the parts necessary to maintain the intrinsic safety of the ProBatch unit when a PC or a printer is installed in a non-hazardous location.

⚠ WARNING



FIRE, EXPLOSION, AND ELECTRIC SHOCK HAZARD

The ProBatch control is intrinsically safe when used without any external electrical components connected to it. If an external printer is connected to the control, the control is no longer intrinsically safe without the use of this kit.

Do not install or service this equipment unless you are trained and qualified. All wiring and electrical troubleshooting must be done by a qualified electrician. Follow the **Grounding, Wiring and Safety Requirements** below.

Installation

Grounding, Wiring, and Safety Requirements

Grounding the System

Be sure your system is connected to a true earth ground. Check your local electrical code and other equipment manuals for further grounding instructions.

Wiring Instructions

(Refer to Fig. 2, page 2)

- Connections and wiring in the non-hazardous location must be prevented from contacting any hazardous location wires or terminations.
- Intrinsically safe and non-intrinsically safe wiring must be kept separate with a raceway, wire lacing, wire ties or equal.
- Non-hazardous location equipment must not have a potential that exceeds 250 volts dc or 250 volts ac RMS.



Conforms to ANSI/UL standards 913 and 3101 Class 1, Div. 1, Group D Hazardous Locations



Certified to CAN/CSA standards 22.2-157-92 and 1010.1-92 Class 1, Div. 1, Group D Hazardous Locations

Associated Apparatus

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Installation

Installing the Printer Barrier Kit


1. Follow the **Pressure Relief Procedure** in the ProBatch System User Guide, 309300.
2. Turn off electrical power to the ProBatch control (Fig. 1).



Fig. 1

3. Mount the printer barrier (30) in the non-hazardous area (Fig. 4).
4. Connect the ground wire assembly (50) to the printer barrier ground lug (C) (Fig. 4).
5. Measure the resistance between the printer barrier ground lug (C) and true earth ground. The resistance should be less than 1 ohm.

If the resistance is greater than 1 ohm, check grounding connections and the ground wire for damage. Reconnect or replace the ground wire. Do not operate the system until the problem is corrected.

6. Connect a 5 ft. (1.52 m) cable (10) (from the printer kit) between the printer connector (A) and the printer barrier (30) connector (Figs. 2 and 4).
7. Connect the 45 ft. (13.72 m) cable (20) between the printer barrier (30) connector labeled "1" and the printer cable connector  (F) on the ProBatch control (B) (Fig. 4).

Barrier Kit Wiring Schematic

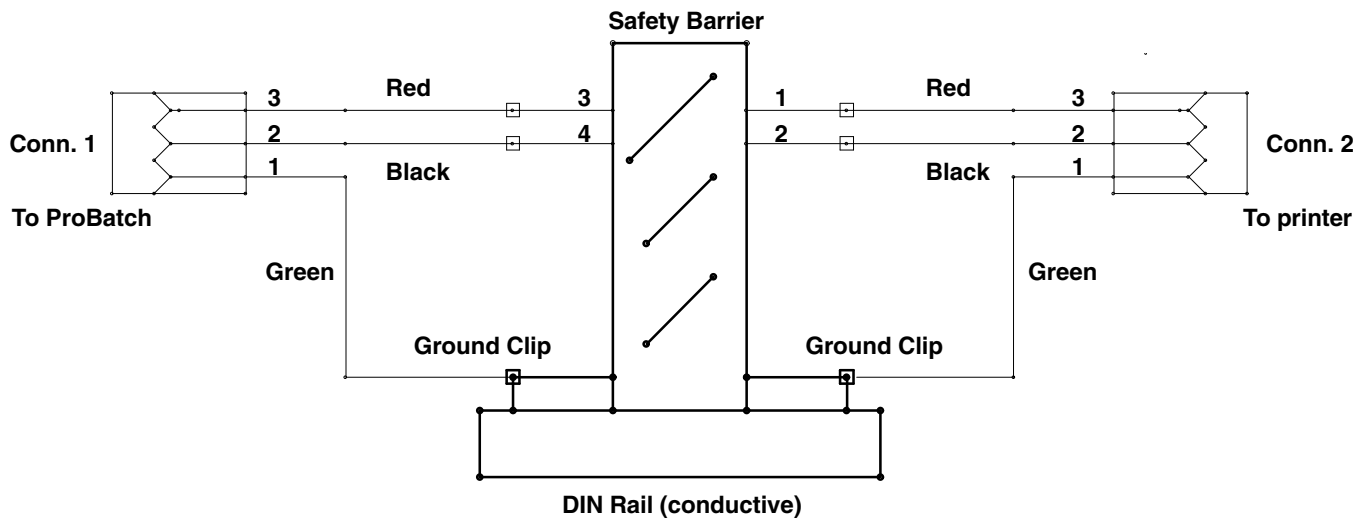


Fig. 2

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Installing the Network Interface Barrier Kit

1. Follow the **Pressure Relief Procedure** in the ProBatch System User Guide, 309300.
2. Turn off electrical power to the ProBatch control (Fig. 1).
3. Mount the network interface (30) in the non-hazardous area (Fig. 5).
4. Connect the ground wire assembly (50) to the network interface ground lug (C) (Fig. 5).
5. Measure the resistance between the network interface ground lug (C) and true earth ground. The resistance should be less than 1 ohm.

If the resistance is greater than 1 ohm, check grounding connections and the ground wire for damage. Reconnect or replace the ground wire. Do not operate the system until the problem is corrected.

6. Refer to the AMR Installation Guide, 309219, for communication connections to the PC.
7. Refer to the ProBatch System User Guide, 309300, for communication connections to the ProBatch control.

Install cables and make wire connections as shown in Figure 3.

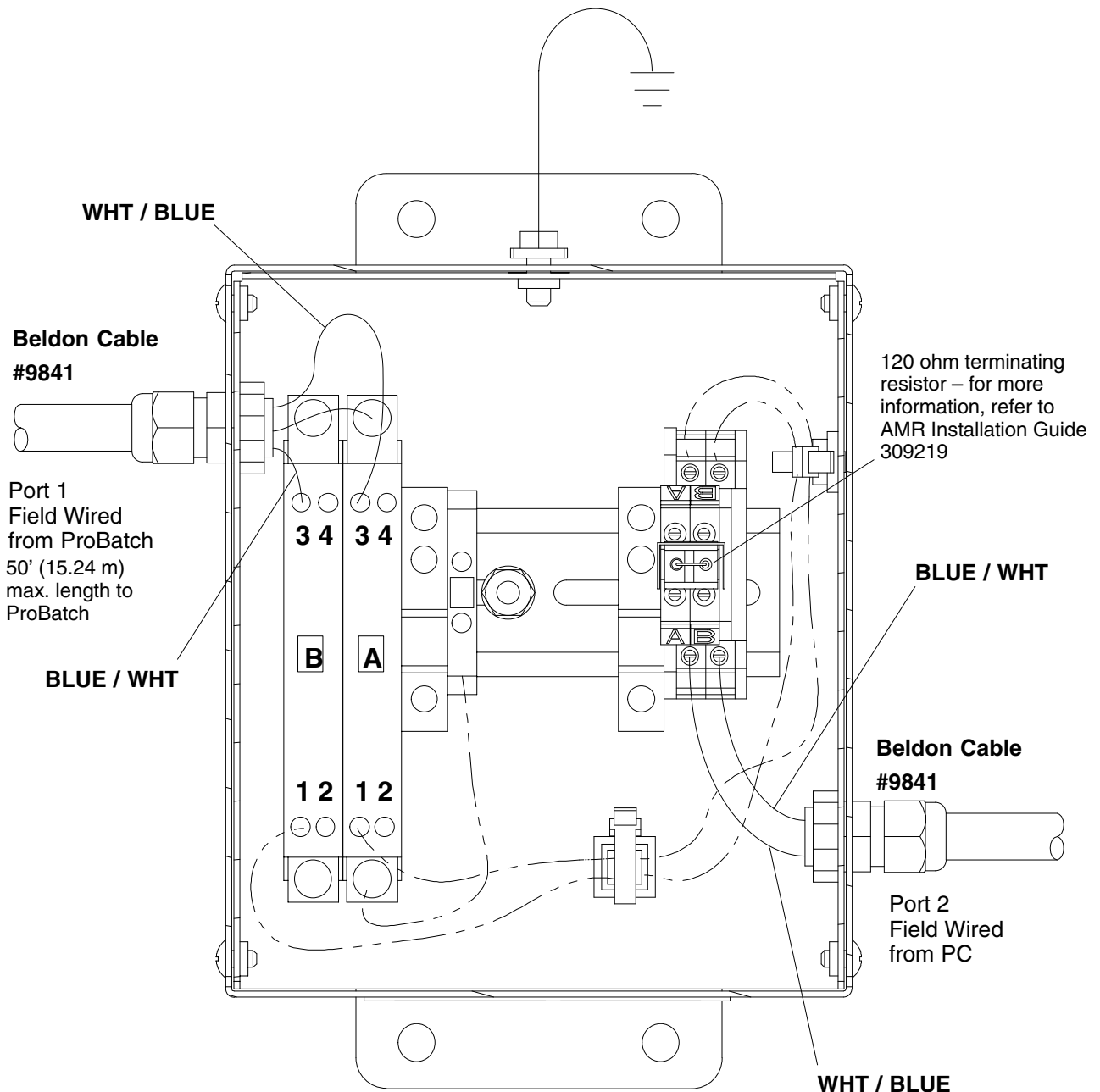


Fig. 3

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Parts

Printer Barrier Kit Installation

HAZARDOUS AREA

NON-HAZARDOUS AREA

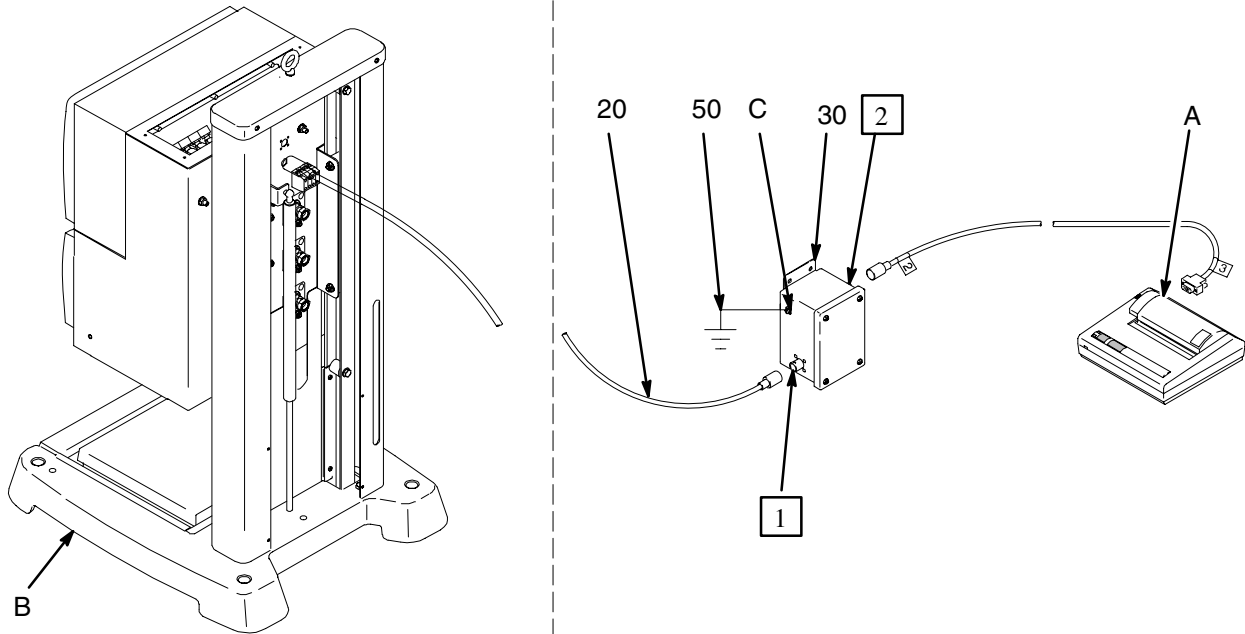


Fig. 4

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Printer Barrier Kit

Part No. 240510

Ref. No.	Part No.	Description	Qty.
20	197459	CABLE, 45 ft. (13.7 m)	1
30	244509	BARRIER ASSEMBLY, printer, includes 30a–30b	1
30a	116816	• BARRIER	1
30b	115429	• FUSE, barrier	1
50	222011	WIRE ASSEMBLY, ground	1

Network Interface Barrier Kit Installation

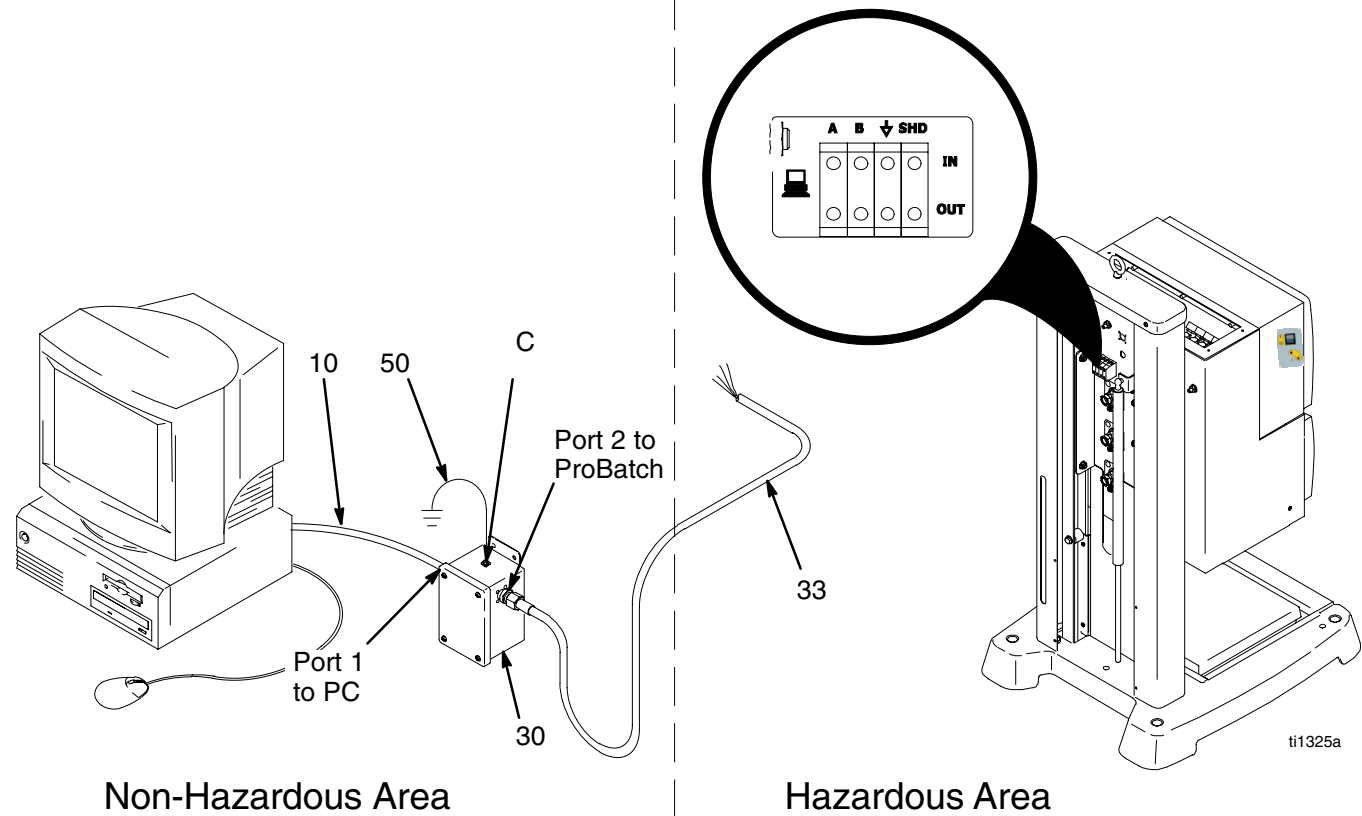


Fig. 5

Network Interface Barrier Kit
Part No. 244534

Ref. No.	Part No.	Description	Qty.
10	User supplied	CABLE, Beldon 9841	—
30	244534	BARRIER ASSEMBLY, network, includes 30a–30b	1
30a	116816	• BARRIER	1
30b	115429	• FUSE, barrier	1
33	116897	CABLE, 50 ft. (15.24 m)	1
50	222011	WIRE ASSEMBLY, ground	1

* AMR software key and converter kit is required for installation. Refer to AMR Installation Guide 309219.

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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.

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