



INSTRUCTIONS

This manual contains important warnings and information.
READ AND KEEP FOR REFERENCE.

*First choice when
quality counts.™*

Printer Barrier Kit 240-652

For ProMix™ Proportioning System

This kit includes the parts necessary to maintain the intrinsic safety of the ProMix unit when a printer is installed in a non-hazardous location.

⚠ WARNING



FIRE, EXPLOSION, AND ELECTRIC SHOCK HAZARD



The ProMix 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.

Non-Hazardous Location Wiring

(Refer to Fig. 1, 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.

Installation

Installing the Printer Barrier Kit

1. Follow the **Pressure Relief Procedure** in your separate proportioner manual.
2. Turn off the electrical power to the ProMix control (B). See Fig. 2.
3. Mount the printer barrier (30) in the non-hazardous area.
4. Connect the ground wire assembly (50) to the printer barrier ground lug (C).
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 above 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 the 5 ft. (1.52 m) cable (10) between the printer connector (A) and the printer barrier (30) connector labeled "2". See Fig. 1 and 2.
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 ProMix control (B).

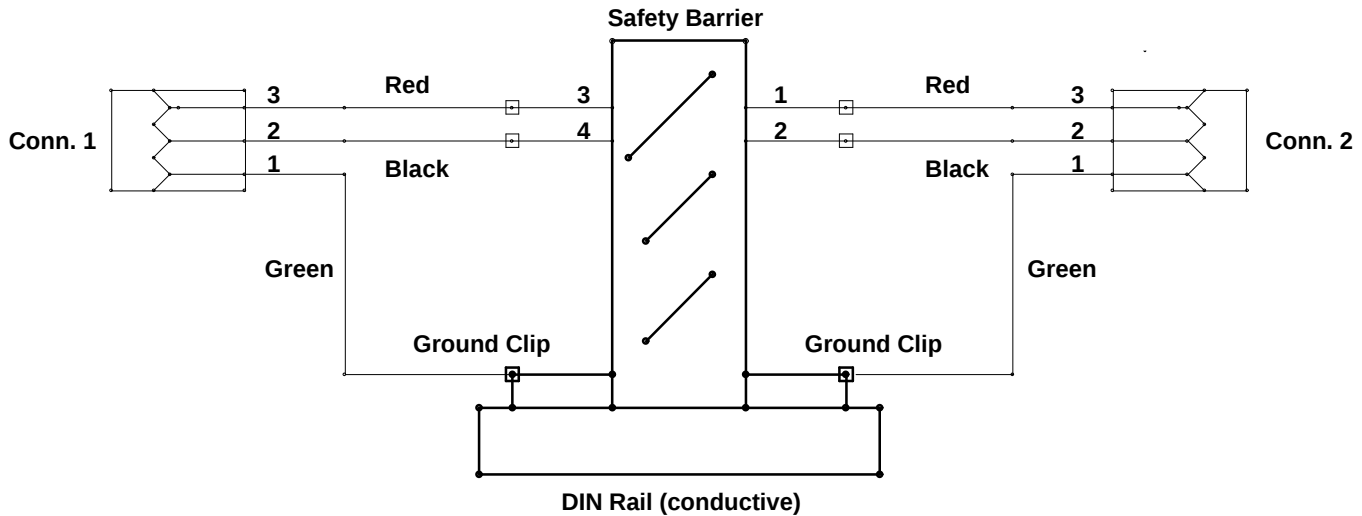


Fig. 1

WIRING SCHEMATIC

8463A

Parts

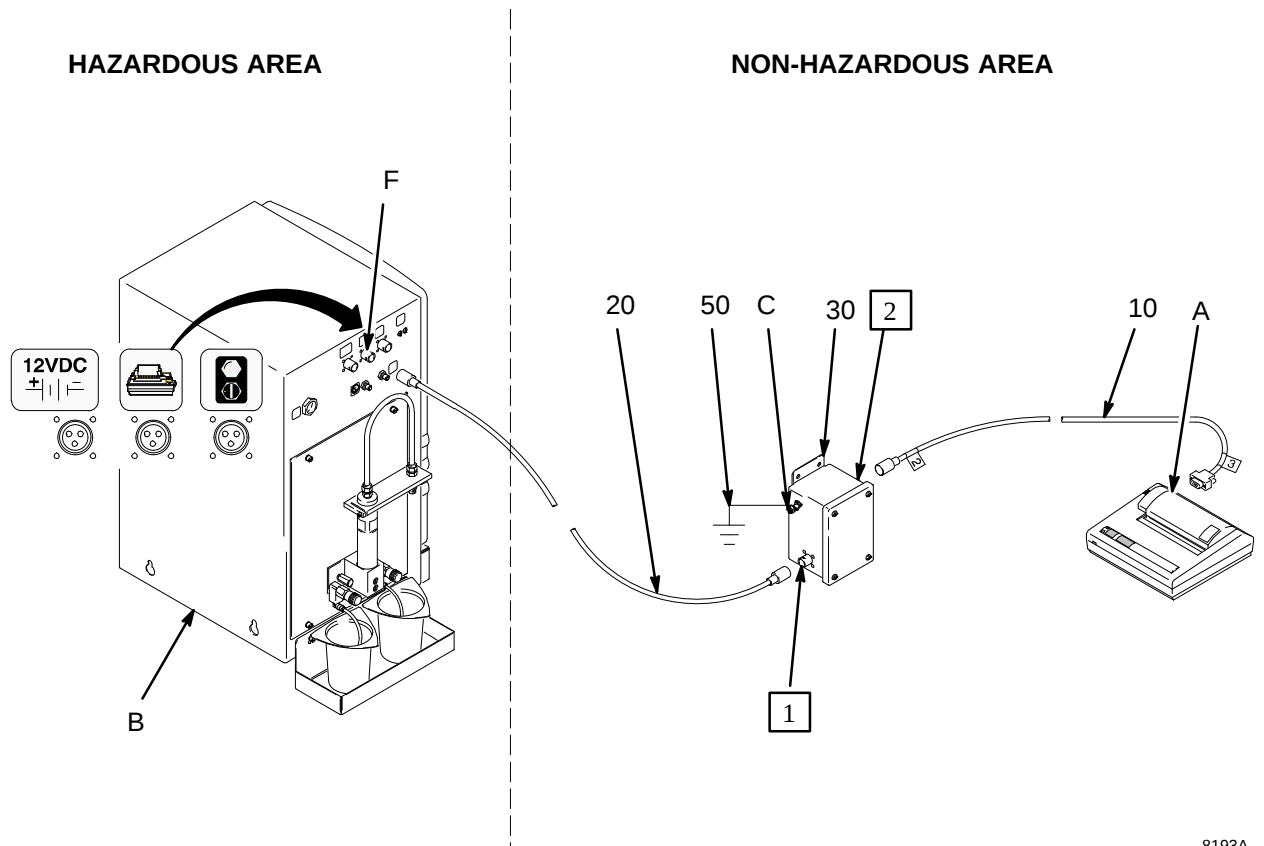


Fig. 2

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Printer Barrier Kit Part No. 240-652

Ref. No.	Part No.	Description	Qty.
10	193-434	CABLE, printer, 5 ft. (1.52 m)	1
20	193-435	CABLE, printer, 45 ft. (13.72 m)	1
30	240-653	BARRIER ASSEMBLY, printer	1
50	237-569	WIRE ASSEMBLY, ground	1

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