

# Ferrite Bead Installation for 50 Hz Operation

Figure 1. ferrite bead open



Figure 2. cable placed in bead



Figure 3. bead closed and latched



Figure 4. Ethernet cable attached to meter



## Why Use a Ferrite Bead?

The snap-on ferrite bead is a passive device that reduces high frequency RF interference on your Ethernet cable. It is recommended for 50 Hz. operation.

## Installing the Ferrite Bead

To install the bead:

1. Open the ferrite bead (Figure 1).
2. Lay the Ethernet cable in the bead. Locate the bead as close as is convenient to the RJ45 connector (Figure 2).
3. Close the bead, ensuring that the latch is engaged (Figure 3).
4. Plug the cable into the Gateway Card on the Power Xpert Meter (Figure 4).

A good practice is to secure the bead in place along the cable to prevent the bead from sliding away from the connector. You can do this with the plastic cable tie provided.

# Power Xpert Meter 2000 PE02601081E

Effective January 2012

**Eaton Corporation**  
Electrical Group  
1000 Cherrington Parkway  
Moon Township, PA 15108  
United States  
877-ETN-CARE (877-386-2273)  
Eaton.com

© 2012 Eaton Corporation  
All Rights Reserved  
Printed in USA  
Publication No. PE02601081E  
January 2012

**EATON**  
*Powering Business Worldwide*



**PowerChain  
Management®**

PowerChain Management is a registered trademark of Eaton Corporation.

All other trademarks are property of their respective owners.