



Blue Box Technologies LLC

Operating Instructions & Procedures

GE Installation

Effective: **January 01, 2014**

Revision: **Initial**

Total Pages: **1**

Approved by: **JCM**

INSTALLATION INSTRUCTION

This procedure outlines installation of GE magnet monitoring device.

COMPATABILITY

1. GE MRI machine with Magnet Monitor 1, Magnet Monitor 2, Magnet Monitor 3

REQUIREMENTS

1. Electrical: 110V
2. Internet (SEE Internet Connection Instructions)
 - a. Cat5 cable with internet connection
 - b. Port 80 open for outgoing or incoming data
 - c. DHCP internet connection type (if DHCP is not available Static IP address is required see next line for information)
 - d. If assigned IP address the following is required:
 - i. IP Address
 - ii. Subnet Mask
 - iii. Default Gateway
 - iv. Preferred DNS Server
 - v. Alternate DNS Server

INSTALLATION PROCEDURE

Once Compatibility and Requirements have been confirmed follow the next steps:

1. For reference search for blueboxlive on Youtube or go to this site:
https://www.youtube.com/watch?v=MU_BmlfxowE&t=248s
2. Mount Blue Box close to the Magnet Monitor
3. Connect Network to Blue Box
4. Power off Magnet Monitor
5. Disconnect Cables J7, J8, J9 from under side of Magnet Monitor (see Picture1)
6. Plug cables J7, J8, and J9 to the bottom of Blue Box (see Picture 2)
7. Use supplied cables to connect Blue Box to Magnet Monitor
8. Connect current sensor connector cable end to Blue Box (see Picture 2)
9. Install current sensor to one of the 480V power lines of compressor (L1 or L2 or L3)
(see Picture 3)
10. Power up the Magnet Monitor
11. Power up the Blue Box
12. Wait for Blue Box to connect to servers
13. Blue Box display will show System OK and values from Magnet Monitor
14. Press Sample Button on the Magnet Monitor to show the Helium Level on Blue Box
15. If Blue Box Displays Verify Error, See Network Connection Troubleshooting

REFERENCE PICTURES



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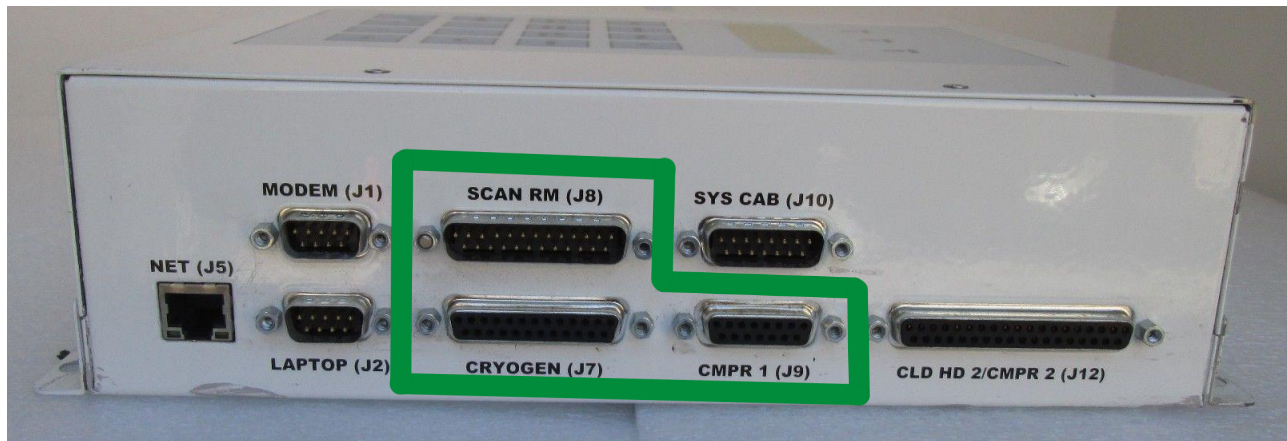
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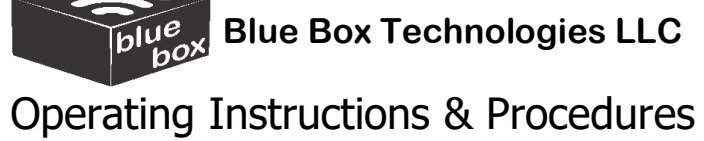
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Picture 1 Magnet Monitor



Picture 2 Blue Box





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A close-up photograph of a custom cable assembly. A thick, black braided shielded cable is connected to a black plastic connector. A small black module, labeled 'CIRCUIT BOARD', is attached to the connector. The module has a white label with text: 'CIRCUIT BOARD', 'Model: 10000', 'Version: 1.0', 'Date: 2000-01-01', 'Author: 10000', 'Copyright: 2000-01-01', 'All Rights Reserved'. The assembly is connected to a white PCB with a gold-plated connector. The background is a dark, textured surface.