Blue Box Technologies LLC

Operating Instructions & Procedures

GE Installation

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Approved by: **JCM**

INSTALLATION INSTRUCTION

This procedure outlines installation of GE magnet monitoring device.

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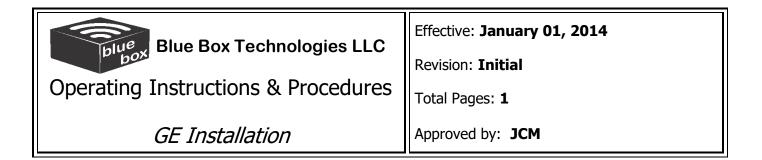1. GE MRI machine with Magnet Monitor 1, Magnet Monitor 2, Magnet Monitor 3

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 blueboxlieve on Youtube or go to this site: https://www.youtube.com/watch?v=MU_BmIfxowE&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
7. Use supplied cables to connect Blue Box to Magnet Monitor
8. Connect current sensor connector cable end to Blue Box (see Picture 4)
9. Install current sensor to one of the 480V power lines of compressor (L1 or L2 or L3)
10. If compressor does not have a GE water Flow / Temperature meter (see Picture 2) enable dip switches on the bottom of the Blue Box as shown on Picture 3
11. Power up the Magnet Monitor
12. Power up the Blue Box
13. Wait for Blue Box to connect to servers
14. Blue Box display will show System OK and values from Magnet Monitor
15. Press Sample Button on the Magnet Monitor to show the Helium Level on Blue Box
16. If Blue Box Displays Verify Error, See Network Connection Troubleshooting

REFERENCE PICTURES

Picture 1 Magnet Monitor

Picture 2 GE water flow temperature meter

Picture 3 Dip Switches

Picture 4 Current Sensor