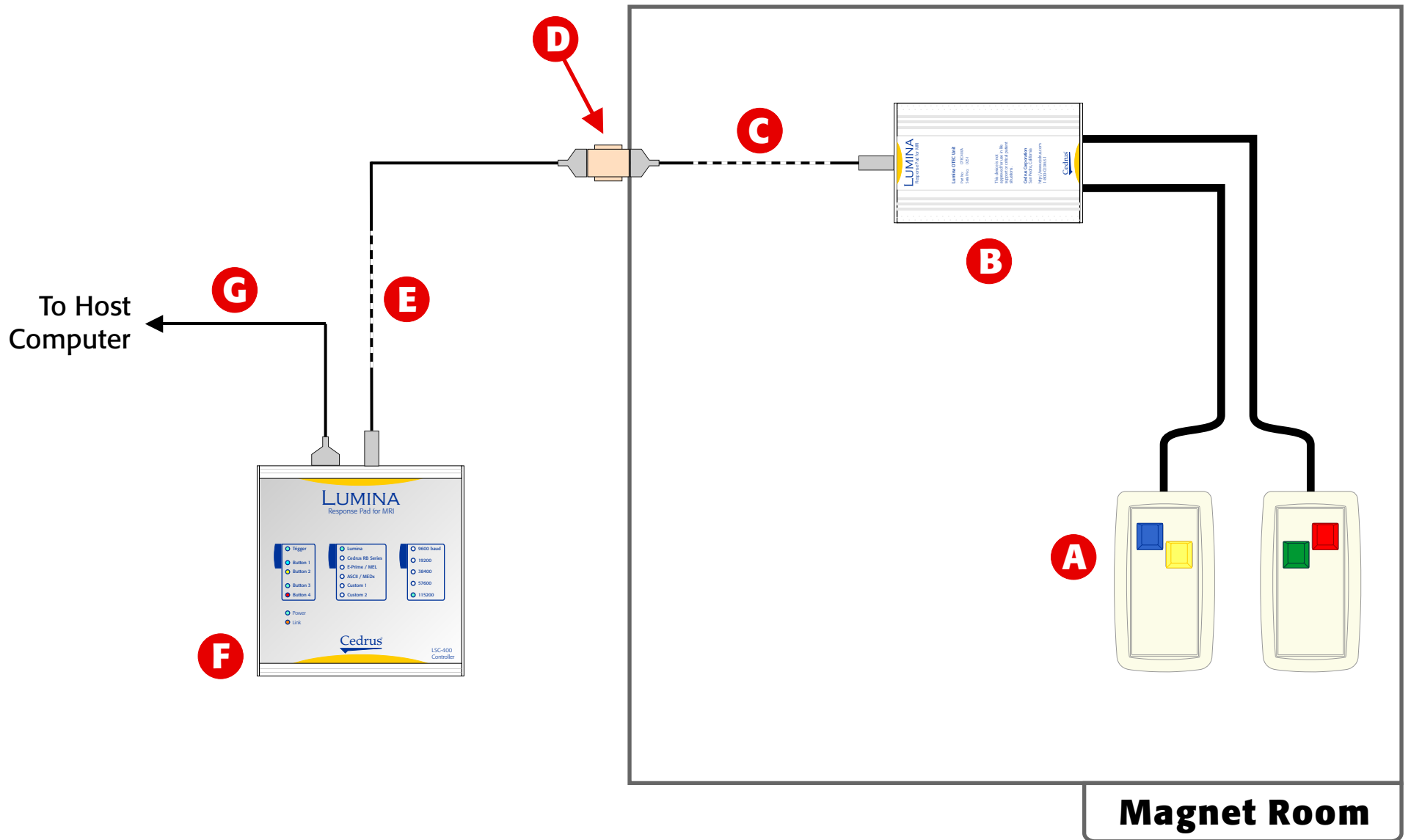


Lumina Installation Diagram



Installation Instructions:

Please refer to the “Lumina Installation Diagram” while reading these instructions.

The Lumina LP-400 system consists of several parts. Let’s start inside the magnet room:

- The response pads **A**, fiber cables, and OTEC unit **B** come as a single assembly in **Box No. 4**. They cannot (should not!) Be detached. Mount the OTEC unit under the magnet.
- Cable **C** comes in **Box No. 2**. This cable is usually installed under the floor of the magnet room to avoid tripping on it. Plug the round connector into the OTEC unit. The other side of the cable contains a connector called a “male DB9”. Plug it into a matching cutout in the penetration panel from **inside** the magnet room.
- At this point, you need to decide where you want to place the Lumina controller box **F** which comes in **Box No. 1**. This is usually in the equipment room or control room, and next to a PC or Macintosh.
- Cable **E** comes in **Box No. 3**. Plug the “female DB9” connector into the penetration panel from **outside** the magnet room. Plug the round connector into the Lumina controller **F**.
- Plug the 9V power adapter block into an electrical outlet and connect the 9V connector into the back of the Lumina controller. **WARNING:** Make sure that wall power matches the input of the adapter block. For example, if you received an adapter with a 110 volts input, DO NOT USE IT if the electricity at your location is 220 volts!
- The installation is nearly complete at this point. Turn your Lumina system ON. The Power and Link indicator lights should be lit, as well as one “Mode” light and one “Speed” light. You can change the Mode and Speed settings using push buttons on the back of the controller.
- When someone presses one of the push buttons on the response pads inside the magnet room, a corresponding indicator light should turn ON on the controller.
- Connect one side of the serial port cable to the back of the Lumina controller, and the other side to the back of your computer. If you are using a Macintosh, you will need a USB-serial port adapter.

Additional information on using Lumina is available on our web site at

<http://www.cedrus.com/support/lumina>

Please do not hesitate to contact Cedrus for technical support if you have any questions.