

OPERANT TEST CHAMBER PACKAGE

WIRING GUIDE



DOC-143

Rev. 1.2

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notes

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CHAPTER 1 | WIRING INSTRUCTIONS

The Operant Test Chamber Package will arrive with most of the components connected. This document will assist with the completion of wiring the system. Should additional assistance be required, please contact MED Associates at support@med-associates.com.

NOTE: Ensure that power to all devices is turned off and disconnected from the source before adding or removing hardware and connecting devices.

Card Installation

If the interface cabinet was purchased with the Operant Test Chamber Package, the interface cards will be installed in the interface cabinet at the factory. If the computer was purchased from MED Associates with the Operant Test Chamber Package, the PCI card will be pre-installed.

Installing the DIG-704PCI

If necessary, install the DIG-704 PCI Interface card by following the instructions provided with the computer for installing PCI cards.

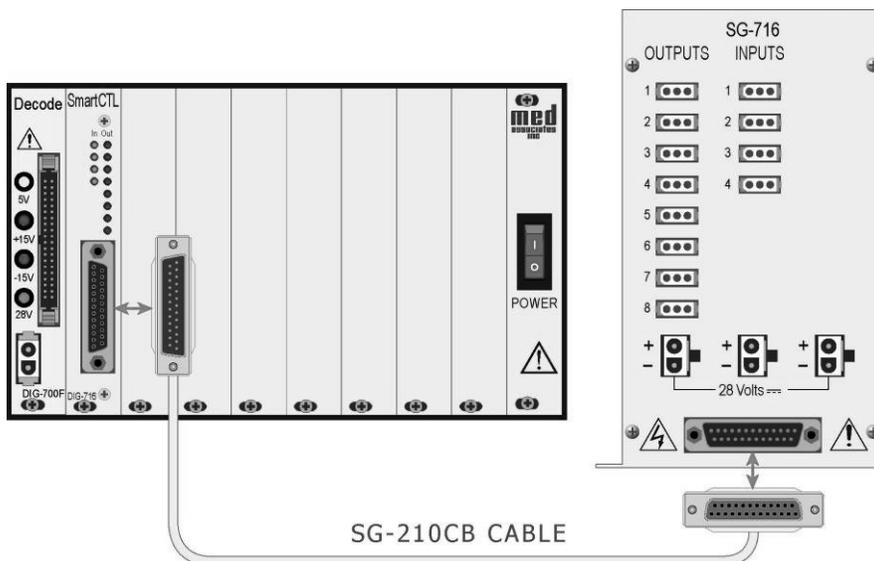
Installing Interface Cards

Install interface cards in sequence as needed. Ensure that the port, offset (when present) and other jumpers are set according to the instructions provided with the cards.

SmartCtrl™ Connections

- Using the SG-210CB Serial Port Cable, connect the DIG-716 card (located in the Interface Cabinet) to the SG-716 SmartCtrl™ Connection Panel. Refer to Figure 1-1.

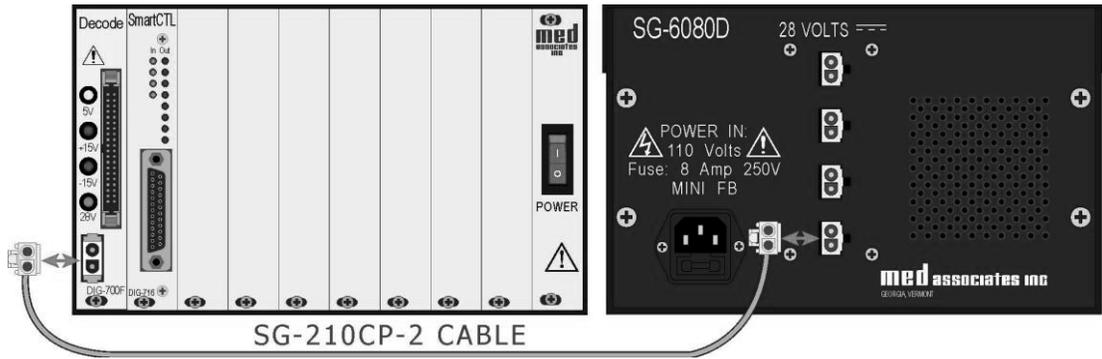
Figure 1-1– SmartCtrl Connections



Power Connections

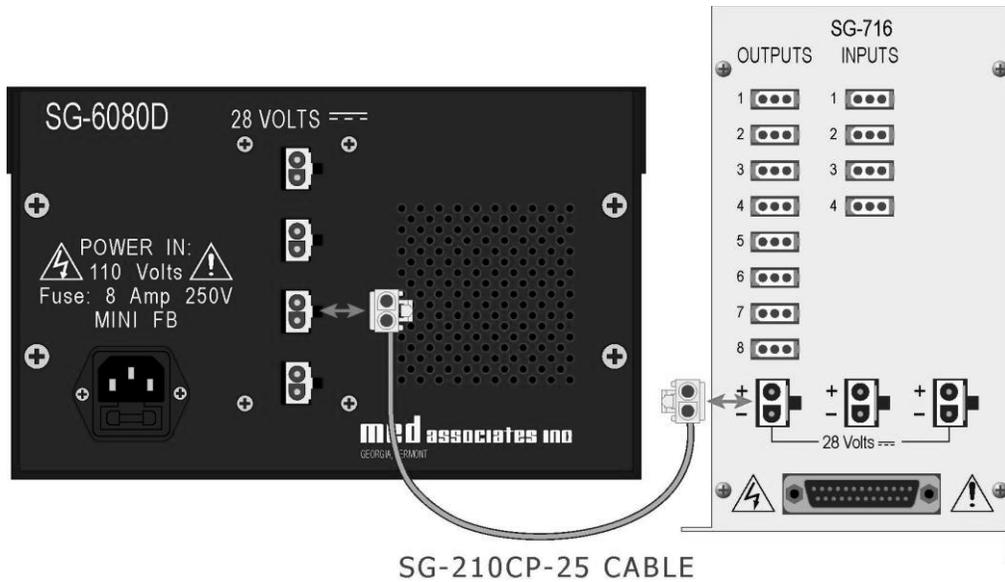
1. Using the SG-210CP-2 cable, connect the two-pin Molex connector on the DIG-700F card to any available 28 VDC connector on the back of the SG-6080D cabinet.

Figure 1-2 – Connecting the Decoder Card to the Power Supply



2. Using an SG-210CP-25 cable, connect the SmartCtrl Connection Panel in Chamber 1 to any available 28 VDC connector on the back of the SG-6080D cabinet.

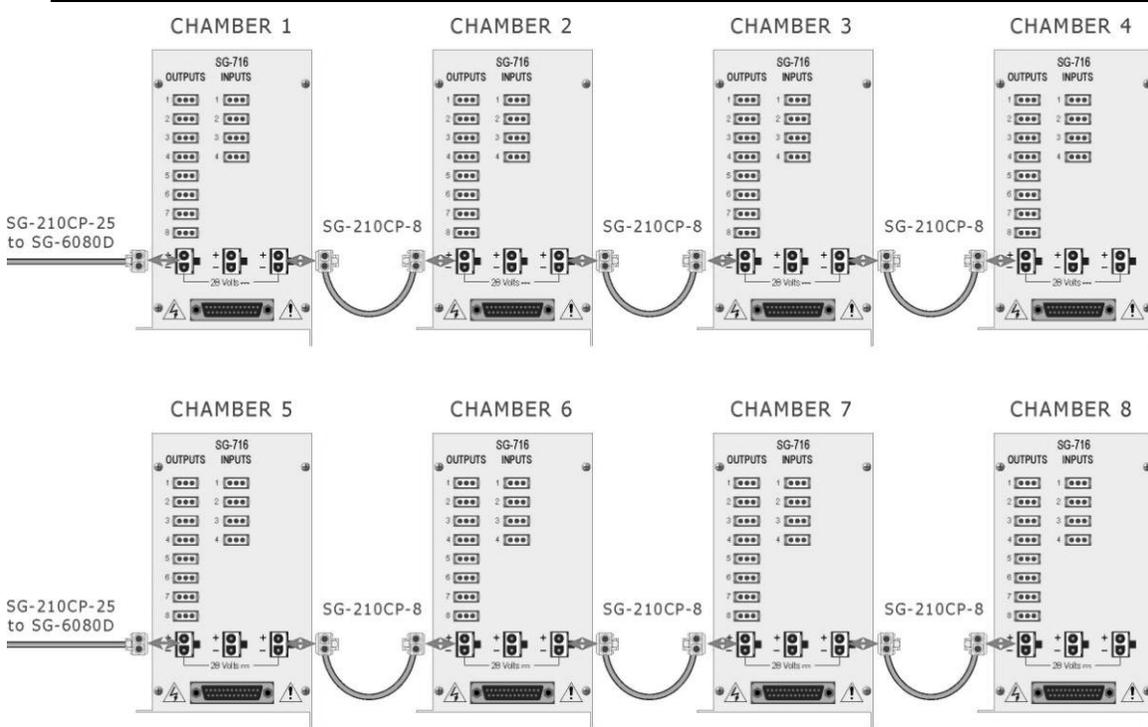
Figure 1-3 – Connecting the Decoder Card to the Power Supply



Connecting Additional Chambers

Using an SG-210CP-8 cable, connect the SG-716 SmartCtrl Connection Panel in Chamber 1 to the SG-716 SmartCtrl Connection Panel in Chamber 2, as shown in Figure 1-4. Notice that up to four chambers may be daisy chained together. The system shown in Figure 4 consists of eight chambers, so Chamber 5 is connected to the power supply, rather than to Chamber 4.

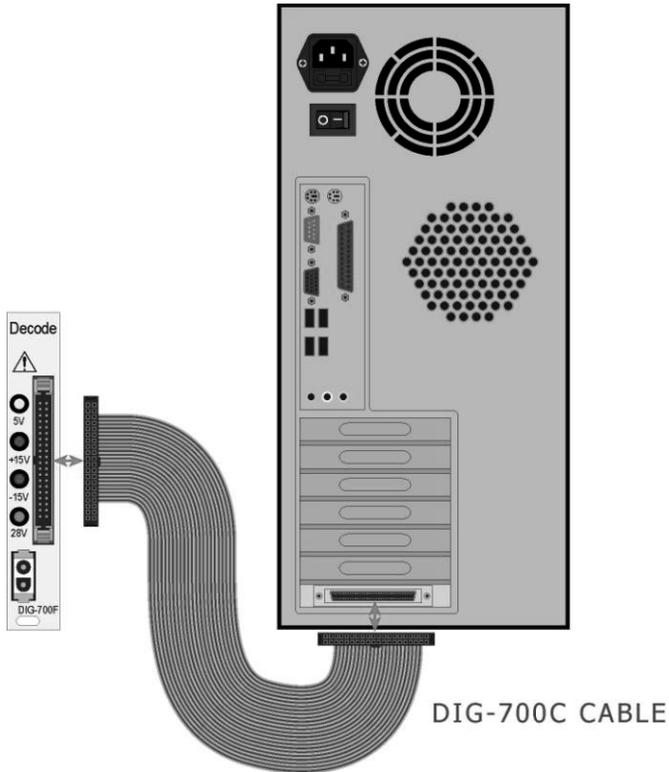
Figure 1-4 – Daisy Chaining Diagram



Interface Connections

Using the DIG-700C Ribbon Cable, connect the DIG-700F card to the DIG-704PCI card.

Figure 1-5 – DIG-700C Ribbon Cable



Appendix A | Contact Information

Please contact MED Associates, Inc. for information regarding any of our products.

Visit our website at www.med-associates.com for contact information.

For technical questions, email support@med-associates.com.