Installation Instructions
Model RCC-2/R and RSE-1
Remote Control Centers

INTRODUCTION
The **SIEMENS** Model RCC-2/R Remote Command Center (See Figure 1) provides the option to remotely annunciate and control MXL and MXL-IQ system status. The RCC-2/R and RSE-1 provide for mounting and control of the PIM-1 printer interface module.

The following modules come already installed in an RCC-2/R:
- Keypad
- LCD Display
- ANN-1 Driver Board
- PS-5N7 Power Supply

The following modules come already installed in an RSE-1:
- ANN-1 Driver Board
- PS-5N7 Power Supply

The RCC-2/R has a mounting location for an optional PIM-1. The RSE-1 has the same mounting and requires the PIM-1.

The RCC-2/R comes with a clear lens on a secure door. This limits access to the control of the system or the display. The door is secured with a T-45 lock set.

OPERATION
The keypad on the RCC-2/R operates the same as the MKB in the MXL enclosure. See Section 3 of the **MXL Installation, Operation and Maintenance Manual**, P/N 315-092036, for the complete operating instructions for the control panel.

INSTALLATION
*Always remove all power before installation, first the battery and then the AC.*

Setting the Network Address
Before installing the RCC/RSE, set the network address on S1-SW1 and S1-SW2 of the ANN-1 board. Refer to Table 1 for switch settings. (See also Setting the Network Address in Section 2, INSTALLATION of the **MXL/MXLV Manual**, P/N 315-092036.)

**TABLE 1**

<table>
<thead>
<tr>
<th>SWITCH</th>
<th>ADDRESS SETTINGS FOR:</th>
</tr>
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<tbody>
<tr>
<td>S1-SW1</td>
<td>248</td>
</tr>
<tr>
<td></td>
<td>Open-Off</td>
</tr>
<tr>
<td>S1-SW2</td>
<td>Open-Off</td>
</tr>
<tr>
<td>S1-SW3</td>
<td>Closed-On</td>
</tr>
<tr>
<td>S1-SW4</td>
<td>Closed-On</td>
</tr>
<tr>
<td>S1-SW5</td>
<td>Closed-On</td>
</tr>
</tbody>
</table>

**NOTE:** Switches S1-SW3 and S1-SW4 are for future use. Switch S1-SW5 is used to select supervision.
Setting Supervision
Use switch S1-SW5 on the ANN-1 to select or deselect supervision. If your ANN-1 has a switch with position 1 indicated on the left-hand side, ignore the printing on the switch. SW1 on S1 is at the extreme right-hand side of S1, regardless of any other marking.

To set for supervision
S1-SW5 = Closed (ON)
To set for non-supervision
S1-SW5 = Open (OFF)

NOTE: When you select non-supervision for an annunciator, there must also be one and only one supervised annunciator at the same address.

Mounting
Before mounting the RCC/RSE, follow these steps:
1. Remove the cover assembly from the backbox.
2. Disconnect at P1 the cable from the PS-5N7.
3. Remove the PS-5N7 from the backbox (See Figures 2 and 3).
4. Set the panel to one side.

Consider the following when mounting the backbox:
• Mounting height for visual and manual access to the keypad
• Weight and size of the enclosure
• Local mounting codes

To mount the RCC/RSE, follow these steps:
1. Fasten the RCC/RSE backbox securely to a clean, dry, shock-free, and vibration-free surface using the four mounting holes provided. (Refer to Figure 4 for the dimensions of the backbox and the location of the mounting holes.) Position the RCC/RSE backbox clear of obstructions so that the door opens freely and the indicators and controls are easily accessible.
2. Pull all field wiring into the backbox and dress the wiring to the approximate location to which it will go. Install field wiring to the PS-5N7 (Refer to PS-5N7 Installation Instructions, P/N 315-092729).
3. If a PIM-1 is required, mount it to the set of four standoffs to the right of the PS-5N7 (See Figures 2 and 3).
   Connect P1 on the PIM-1 to P1 on the ANN-1, using the 14 inch cable, P/N 555-192242.
   Connect P2 on the PIM-1 to P1 on the PS-5N7, using the 14 inch cable, P/N 555-192242 (Refer to PS-5N7 Installation Instructions, P/N 315-092729, PIM-1 Installation Instructions, P/N 315-091462 and Figure 6).
4. If a PIM-1 is not installed, reconnect P1 on the ANN-1 to P1 on the PS-5N7.
5. Reattach the cover assembly to the backbox.
6. Refer to the MXL/MXLV Manual, P/N 315-092036, for additional information on the operation of the keypad.

ELECTRICAL RATINGS

RCC/RSE:
18-31 VDC, 80mA max
Battery current: 75mA

RCC/RSE with PIM-1:
18-31 VDC, 100mA max
Battery current: 95mA

WIRING

Refer to the following Installation Instructions as needed:

<table>
<thead>
<tr>
<th>Product</th>
<th>P/N</th>
</tr>
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<tbody>
<tr>
<td>MMB-1</td>
<td>315-090375</td>
</tr>
<tr>
<td>MMB-2</td>
<td>315-095097</td>
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<tr>
<td>PSR-1</td>
<td>315-090911</td>
</tr>
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<td>315-093495</td>
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<td>315-099082</td>
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<td>SMB-2</td>
<td>315-095931</td>
</tr>
<tr>
<td>MXL/MXLV Manual</td>
<td>315-092036</td>
</tr>
</tbody>
</table>
Figure 2
RCC-2/R Exploded View

Figure 3
RSE-1 Exploded View
1. Use a minimum wire gauge of 18 AWG.
2. Use a maximum of 80 ohms per pair of wires for the network connections.
3. Use shielded twisted pair for network connections.
4. Terminate the shield ONLY at the MMB/SMB enclosure.
5. PSR-1 only allowed in systems with MMB-2.
6. DO NOT place the PS-5N7 at the end of the network (Style 7 only).
7. This configuration is power limited to NFPA 70 according to NEC 760.
8. All wiring supervised.
9. Refer to Wiring Specification for MXL, MXL-IQ and MXLV Systems, P/N 315-092772 revision 6 or higher, for additional wiring information.

**Figure 4**
RCC-2/R, RSE-1 Dimensions

**Figure 5**
PS-5N7 Power Supply and Network Wiring Diagram in RCC/RSE Enclosure (Style 4)
Notes:
1. Use a minimum wire gauge of 18 AWG.
2. Use a maximum of 80 ohms per pair of wires for the network connections.
3. Use shielded twisted pair for network connections.
4. Terminate the shield ONLY at the MMB/SMB enclosure.
5. PSR-1 only allowed in systems with MMB-2.
6. DO NOT place the PS-5N7 at the end of the network (Style 7 only).
7. This configuration is power limited to NFPA 70 according to NEC 760.
8. Refer to Wiring Specification for MXL, MXL-IQ and MXLV Systems, P/N 315-092772 revision 6 or higher, for additional wiring information.

Figure 6
PS-5N7 Power Supply and Network Wiring Diagram in RCC/RSE Enclosure (Style 7)