SIEMENS RCC-1/1F Remote Command Center Instruction Manual

Contents

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SIEMENS RCC-1/1F Remote Command Center

INTRODUCTION

The Model RCC-1 Remote Command Center from Siemens Industry, Inc. is an optional MXL/MXLV System remote keyboard panel (See Figure 1). The RCC-1F Remote Command Center, which is used for flush mounting applica-tions, has a 3/4 inch flange on all four sides of the enclosure.

CAUTION: When preparing the opening for the RCC-1F, make sure it does not exceed the dimensions of the enclosure as shown in Figure 2, plus the dimensions of the flange. The keyboard panel in the RCC-1/1F operates in exactly the same way it does when it is in an MXL/MXLV Control Panel (See Using the MKB-2 Keyboard/Annunciator Panel under Section 3, OPERATING INSTRUCTIONS in the MXL/MXLV Manual, P/N 315-092036).

The following modules come already installed in an RCC-1/1F:

- Keyboard panel
- ANN-1
- PS-5N7

There is also space available in the enclosure for mounting an optional PIM-1.

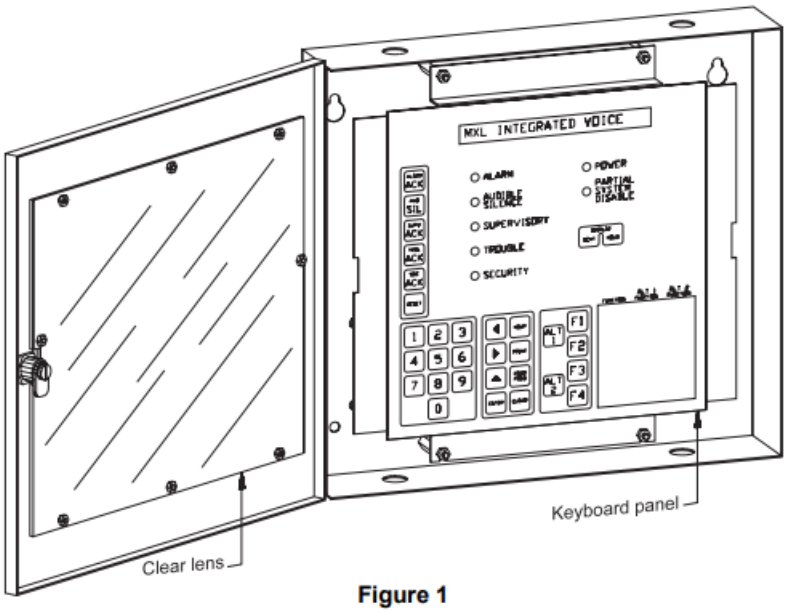


Figure 1
RCC-1/1F Remote Command Center

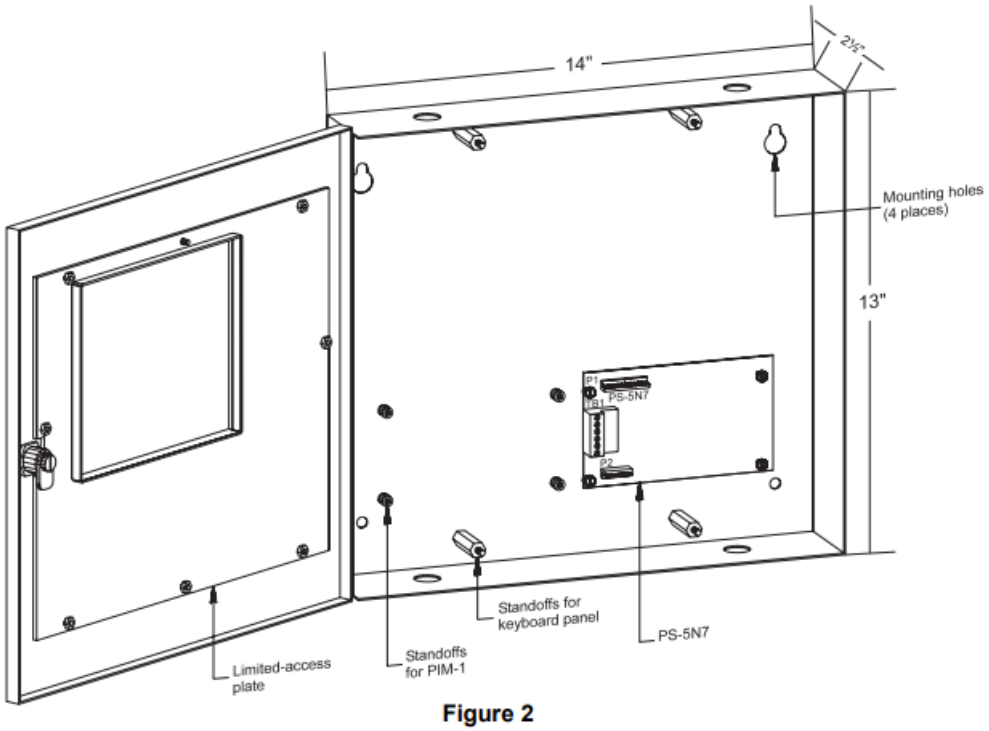


Figure 2
Mounting the RCC-1/1F

Setting the Network Address

Before installing the RCC-1/1F, 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.)

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)

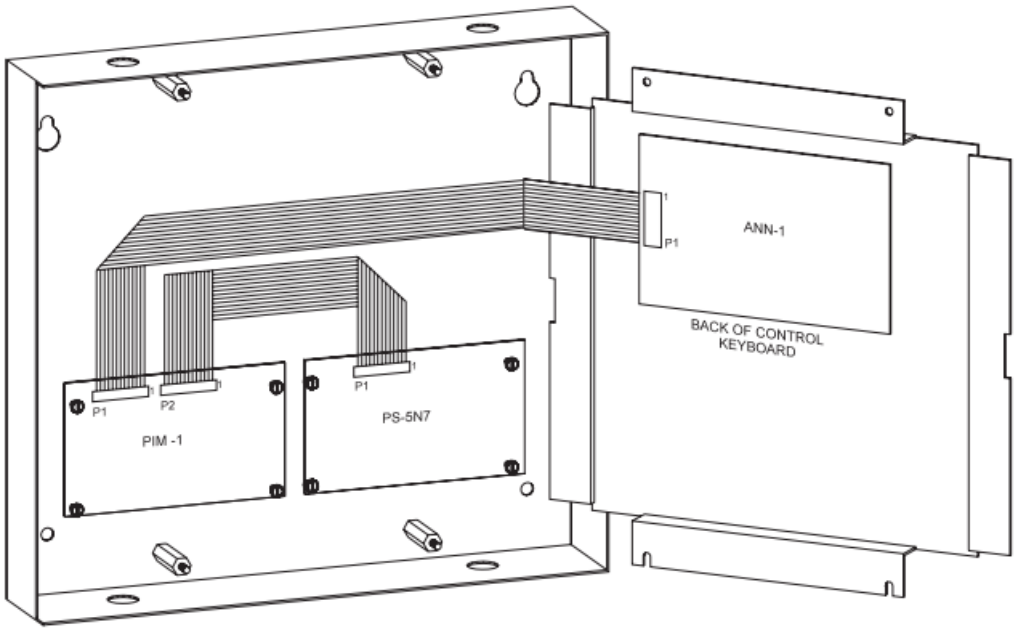
NOTE: When you select non-supervision for an annunciator, there must also be one and only one supervised annunciator at the same address.

TABLE 1 SWITCH SETTINGS ON THE ANN-1

SWITCH	ADDRESS SETTINGS FOR:			
	248	**249**	**250**	**251**
S1-SW1	Open- OFF	Closed- ON	Open- OFF	Closed- On
S1-SW2	Open- OFF	Open- OFF	Closed- ON	Closed- ON
S1-SW3	Closed- ON	Closed- ON	Closed- ON	Closed- ON
S1-SW4	Closed- ON	Closed- ON	Closed- ON	Closed- ON
S1-SW5	Closed- ON	Closed- ON	Closed- ON	Closed- ON

NOTE: Switches S1-SW3 and S1-SW4 are for future use. Switch S1-SW5 is used to select supervision.

- Always remove all power before instal-lation, first the battery and then the AC.



NOTE: The RCC-1/1F MUST have an earth ground connected to the chassis. Wire shield or conduit is not an acceptable ground. Use any available unused, unpainted stud for chassis grounding.

Figure 3
Connecting the Cables in the RCC-1/1F

The RCC-1/1F comes with a clear lens installed in the door, as shown in Figure 1. Also shipped with the unit is a plate (shown in Figure 2) which limits access to the keyboard functions when the door is closed. To install the limited-access plate in the door, first remove the clear lens and set the hardware to one side. Then place the plate on the studs on the door and fasten it in place using the hardware that was removed. Before mounting the RCC-1,

remove the four nuts from the keyboard panel and place them to one side. Carefully lift the panel up and off the standoffs. Then disconnect P1 on the PS-5N7 which is located directly underneath the panel (See Figure 2). Set the panel to one side. Consider the following when mounting the backbox:

- Mounting height for visual and manual access to the MKB keyboard panel
- Weight and size of the enclosure
- Local mounting codes

1. 1. Fasten the RCC-1/1F backbox securely to a clean, dry, shock-free, and vibration-free surface using the four mounting holes provided. Position the RCC-1/1F 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 left of the PS-5N7 (See Figure 3). Connect P1 on the PIM-1 to P1 on the ANN-1, using the 14 inch cable, P/N 555-192242. Then 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 4).
4. If a PIM-1 is not installed, reconnect P1 on the ANN-1 to P1 on the PS-5N7.
5. Mount the keyboard panel in the enclosure by placing it on the standoffs and securing it in place with the four nuts provided.
6. Refer to the MXL/MXLV Manual, P/N 315-092036, for additional information on the operation of the keyboard panel.

ELECTRICAL RATINGS

Active 5VDC Module Current	0mA
Active 24VDC Module Current	65mA + 15mA if PIM-1 is used
Standby 24VDC Module Current	55mA + 15mA if PIM-1 is used

Refer to the following Installation Instructions as needed:

- **MMB-2 P/N** 315-095097
- **MMB-3 P/N** 315-048860
- **PSR-1 P/N** 315-090911
- **PS-35 P/N** 315-085062
- **PLM-35 P/N** 315-093495
- **PAD-3 P/N** 315-099082

- **MXL/MXLV Manual** P/N 315-092036

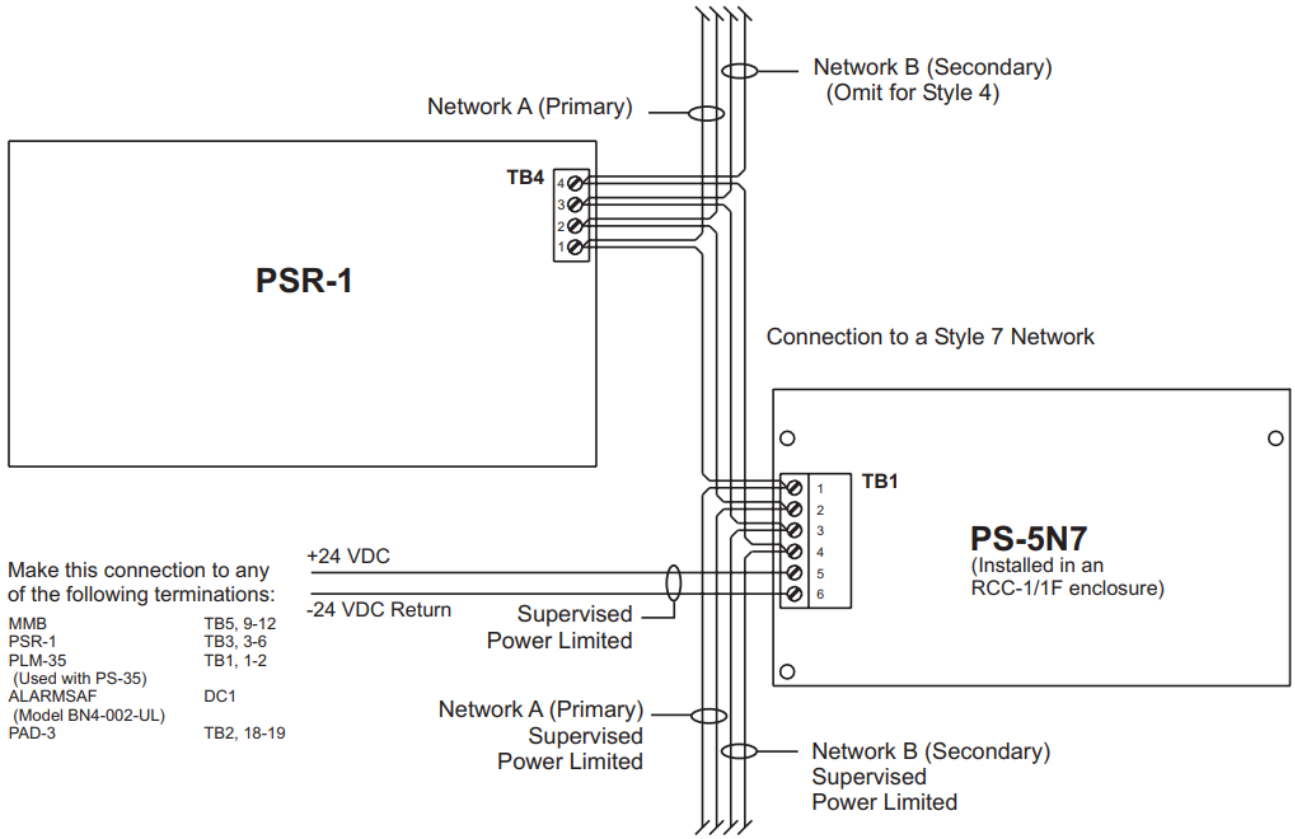


Figure 4
PS-5N7 Power Supply and Network Wiring Diagram in RCC-1/1F Enclosure

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 enclosure.
5. Eliminate all Network B wiring for Style 4.
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.
9. MNET: Maximum voltage: 8V peak to peak Maximum current: 150mA

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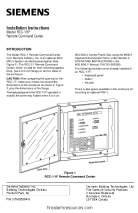
Documents / Resources

	**SIEMENS RCC-1/1F Remote Command Center** [pdf] Instruction Manual RCC-1 1F Remote Command Center, RCC-1 1F, Remote Command Center, Command Center

References

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