

# SIEMENS

## Installation Instructions

### Model XLS/Desigo Fire Safety Modular/Cerberus PRO Modular Rack Mount Kits (RKs)

MPF-RK, MPR-RK, PTB-RK, BP-RK

#### INTRODUCTION

The Model RK series of panels and cables from Siemens Industry, Inc., provides standard 19" rack mounting for FireFinder-XLS/Desigo Fire Safety Modular/Cerberus PRO Modular modules. The table below lists the individual rack mount kits along with the specific modules that mount onto them.

**Table 1**  
**FireFinder-XLS/Desigo Fire Safety Modular/Cerberus PRO Modular Rack Mount Kits**

Model	Part Number	Mounts Modules(s)	Placement On Rack	Height X Width
MPF-RK	500-634776	PMI / PMI-2 / PMI-3 / FCM2041-U2 / FCM2041-U3 / LVM / FMT / FCM-6 / LCM-6 / SCM-8	Front	17½" x 19"
MPR-RK	500-634775	CC-5 / CC-2 / PSC-12 / PSX-12 / ZAM-180	Rear	15¾" x 19"
PTB-RK	500-634774	Up to 2 PTBs	Rear	7" x 19"
BP-RK	500-634777	Blank Plate	Front	17½" x 19"



XLS/Desigo Fire Safety Modular/Cerberus PRO Modular Rack Mount Kits are for indoor use only in dry environments.



Each FireFinder-XLS/Desigo Fire Safety Modular/Cerberus PRO Modular module that is mounted must be ordered separately.

#### RACK HARDWARE

The FireFinder-XLS/Desigo Fire Safety Modular/Cerberus PRO Modular rack mounting panels mount on a standard 19" wide x 18" or 23 5/8" deep 6-foot vertical rack, Model XLS-RK19, P/N 500-634778 (See Figure 1). The rack is supplied with the following:

- side, back, and top panels
- front door with clear lens
- battery tray
- mounting hardware

The front door has a standard Siemens lock with key.

Table 1 lists the recommended locations (front or rear) for the rack mounted modules and the panel heights of the rack mount kits (See Figures 2, 3, 4 and 5).

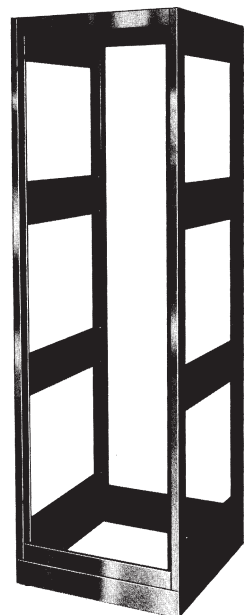


Figure 1  
XLS-RK19 Rack

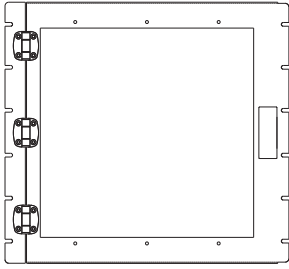


Figure 2  
MPR-RK Front Panel

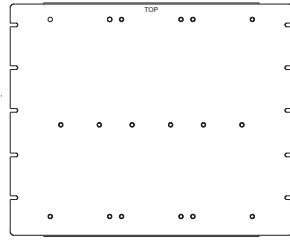


Figure 3  
MPR-RK Back Panel

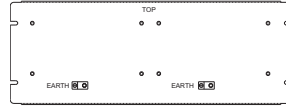


Figure 4  
PTB-RK Back Panel

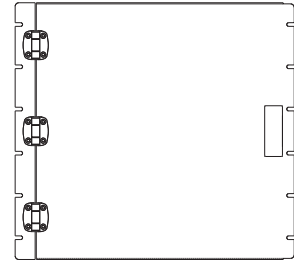


Figure 5  
BP-RK Blank Plate

## INSTALLATION

Mount each module to its designated rack mount kit (See Table 1) using the hardware and installation instructions provided with the module. Refer to Table 2 for a list of installation instructions.

**Table 2**  
**FireFinder-XLS/Desigo Fire Safety Modular/Cerberus PRO**  
**Modular Installation Instructions**  
**For Rack Mount Modules**

Installation Instructions	Part Number
CC-5 / CC-2	315-033035
FCM-6 / LCM-6 / SCM-8	315-033040
FMT	315-034100
LVM	315-034090
PMI	315-033070
PMI-2	315-050636
PMI-3	A6V10446194
FCM2041-U2	A6V11231623
FCM2041-U3	A6V11231630
PSC-12	315-033060
PSX-12	315-034120
ZAM-180	315-035600

## WIRING

In compliance with NEC Article 760, all power limited fire protective signaling conductors must be separated a minimum of ¼ inch from all of the following wiring located within a control panel:

- electric light
- power
- Class 1 or non-power limited fire protective signaling conductors

When installing power limited field wiring, the installer must comply with NEC article 760-54, which states:

*The fire alarm power-limited circuits are installed using Types FPL, FPLR, FPLP or permitted substitute cable, provided these power-limited cable conductors extending beyond the jacket are separated by a minimum of 0.25 in. (6.35 mm) or by a nonconductive sleeve or nonconductive barrier from all other conductors.*



If power-limited wiring is not used within the XLS-RK19 rack, then the following guidelines do not apply. In that case, be sure to follow standard wiring practices.

Wiring Entering The Rack Assembly

*Non-Power Limited Wiring*

This wiring must enter from the right side of the rack.

*Power Limited Wiring*

This wiring must enter from the left side of the rack. Wiring must be in the shortest route and must not overlap any other wiring.

Install Wiring

The primary mains input must have a separate or dedicated circuit breaker. Wire in accordance with local codes and NEC 760.

Ground Straps

Ground Straps are included in each Rack Mount Kit and are used to properly ground the assembly (refer to Table 2). Refer to Figure 6 for placement of these straps.

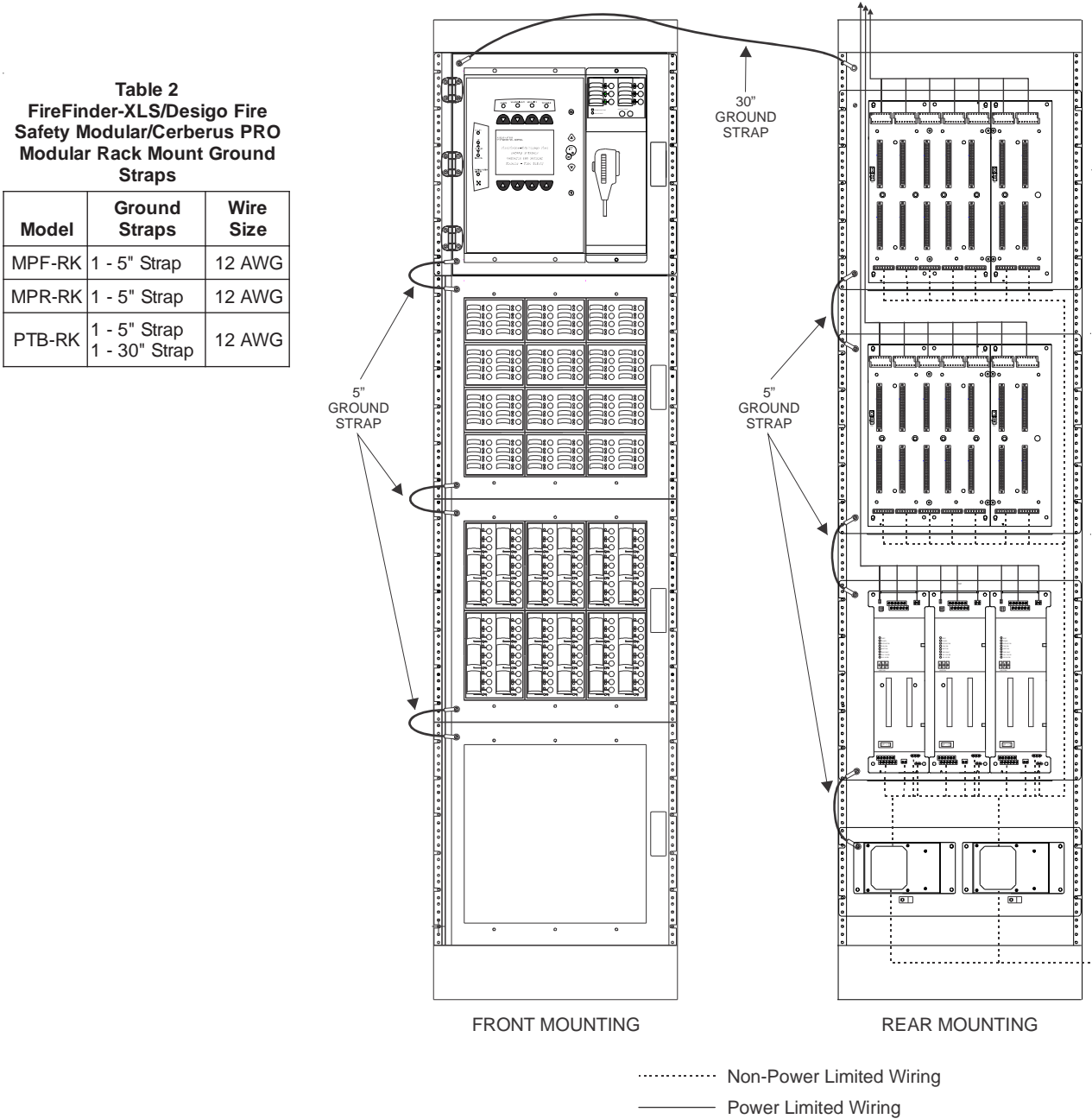


Figure 6  
 Wiring and Ground Strap Placement

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