RK5000PS-3U/RK5000-3U Rack Mounts
CHASSIS FOR FIBER OPTIC AND UTP MODULES

Product Features

- 3 Rack Units (RU) High
- Mount in Standard 19-Inch Rack
- Hot Swappable Internal Power Supply (RK5000PS-3U)
- Optional External Power Supply
- Optional Blank Modules

The **RK5000PS-3U** chassis has 12 empty slots that can hold single-width or double-width fiber optic modules or single-width UTP modules. The modules and the internal power supply are 3 rack units (RU) high. The internal power supply powers all modules and can be replaced easily if it fails. The chassis is designed to mount into an EIA-standard, 19-inch rack.

The **RK5000-3U** chassis has 14 empty slots. It does not include an internal power supply. A fully populated **RK5000-3U** chassis can be powered with the optional EPS5000-120 external power supply. The chassis is designed to mount into an EIA-standard, 19-inch rack.

Optional single-width blank modules (RK5001B-3U) and double-width blank modules (RK5002B-3U) can be inserted into empty module slots.

Optional External Power Supply

The **EPS5000-120** external power supply, which is 1 rack unit (RU) high, has dual 120 W power supplies that slide into a tray. The external power supply can be mounted into a 19-inch, EIA-standard rack. The EPS5000-120 can be used in the following ways:

- Provide power to one fully populated RK5000-3U
- Provide power to two fully populated RK5000-3U (Example 1)
- Provide redundant power to one fully populated RK5000PS-3U
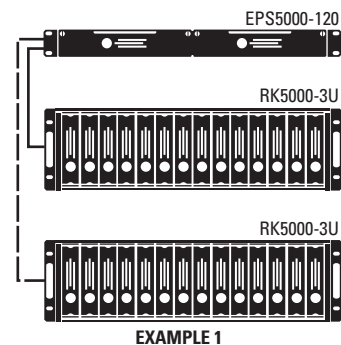- Provide redundant power to two fully populated RK5000PS-3U (Example 2)

The relay output connector on the back of the **EPS5000-120** is tied to the alarm LED. The alarm LED turns red when there is an alarm condition, such as the loss of the optical signal or the video signal. The relay will close or open, depending on whether it is set to normally closed (N.C.) or normally open (N.O.). The 6-pin power connector allows you to connect an over-molded cable (supplied) from the EPS5000-120 to either the RK5000-3U or the RK5000PS-3U. The power fail LED turns red when there is a problem with the power supply that can cause it to fail. If one of the power supplies fails, the blue Pelco badge will turn off.
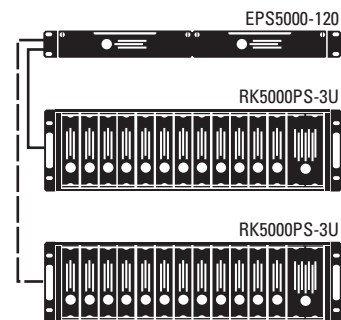

RK5000-3U (TOP)
RK5000PS-3U (BOTTOM)

EPS5000-120

EXAMPLE 1

EXAMPLE 2

MODELS

RK5000PS-3U   Rack mount chassis for up to 12 fiber optic modules or 12 UTP modules; internal power supply

RK5000-3U   Rack mount chassis for up to 14 fiber optic modules or 14 UTP modules; external power supply required

COMPATIBILITY CROSS-REFERENCE

Fiber and UTP Modules		
FT8101MSTR	FR8301MSTR	FT85011MSTR
FR8101MSTR	FR8301MSTRE	FR85011MSTR
FT8101SSTR	FR8301SSTR	FT85011SSTR
FR8101SSTR	FR8301SFCR	FR85011SSTR
FT8101SFCR	FR8302AMSTR-2	FT85011SFCR
FR8101SFCR	FR8302AMSTRE-2	FR85011SFCR
FT8104MSTR	FR8302ASSTR-2	FT85041MSTR
FR8104MSTR	FR8302ASFCR-2	FR85041MSTR
FT8104SSTR	FT8304MSTR	FT85041SSTR
FR8104SSTR	FR8304MSTR	FR85041SSTR
FT8104SFCR	FT8304SSTR	FT85041SFCR
FR8104SFCR	FR8304SSTR	FR85041SFCR
FT8301AMSTR	FT8304SFCR	FT85081MSTR
FR8301AMSTR	FR8304SFCR	FR85081MSTR
FT8301AMSTRE	FT8308MSTR	FT85081SSTR
FR8301AMSTRE	FR8308MSTR	FR85081SSTR
FT8301ASFCR	FT8308SSTR	FT85081SFCR
FR8301ASFCR	FR8308SSTR	FR85081SFCR
FT8301ASSTR	FT8308SFCR	TW3004P
FR8301ASSTR	FR8308SFCR	TW3001AR
		TW3004AR

RK5000PS-3U

Electrical

Input Voltage	100-240 VAC
Input Current	1.0 A
Output Voltage	12 VDC
Output Current	10 A
Fuse Rating	1.6 A
Redundant Capability	Yes with optional EPS5000-120 power supply

Mechanical

Number of Slots	12
Module Orientation	Vertical
Rack Units	3
Construction	Aluminum
Finish	Black

General

Operating Temperature	32° to 122°F (0° to 50°C)
Operating Humidity	80% maximum relative humidity, noncondensing
Storage Humidity	95% maximum relative humidity, noncondensing
Dimensions	8.85" D x 18.99" W x 5.22" H (22.48 x 48.23 x 13.26 cm)
Mounting	Fits 19-inch EIA-standard rack
Unit Weight	5.19 lb (2.35 kg), chassis only 8.01 lb (3.63 kg), with power supply 25.53 lb (11.58 kg), fully populated
Shipping Weight	9 lb (4.07 kg) approximate

RK5000-3U

Mechanical

Number of Slots	14
Module Orientation	Vertical
Rack Units	3
Construction	Aluminum
Finish	Black

General

Dimensions	8.85" D x 18.99" W x 5.22" H (22.48 x 48.23 x 13.26 cm)
Mounting	Fits 19-inch EIA-standard rack
Unit Weight	5.19 lb (2.35 kg), chassis only 25.63 lb (11.63 kg), fully populated
Shipping Weight	6 lb (2.71 kg) approximate

EPS5000-120

Electrical

Input Voltage	100-240 VAC
Input Current	3.2 A total
Output Voltage	12 VDC per power supply
Output Current	10 A per power supply
Fuse Rating	1.6 A per power supply
Relay Rating	1 A, 40 VDC

Mechanical

Rack Units	1
Construction	Aluminum
Finish	Black

General

Operating Temperature	32° to 122°F (0° to 50°C)
Operating Humidity	80% maximum relative humidity, noncondensing
Dimensions	12.00" D x 17.40" W x 1.73" H (30.48 x 44.20 x 4.39 cm)
Mounting	Fits 19-inch EIA-standard rack
Unit Weight	7.25 lb (3.29 kg)
Shipping Weight	9 lb (4.07 kg) approximate

CERTIFICATIONS

- CE, Class A
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class A

OPTIONAL ACCESSORIES

RK5001B-3U	Single-width blank module
RK5002B-3U	Double-width blank module
EPS5000-120	External rack power supply; dual 120 W power supplies

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