



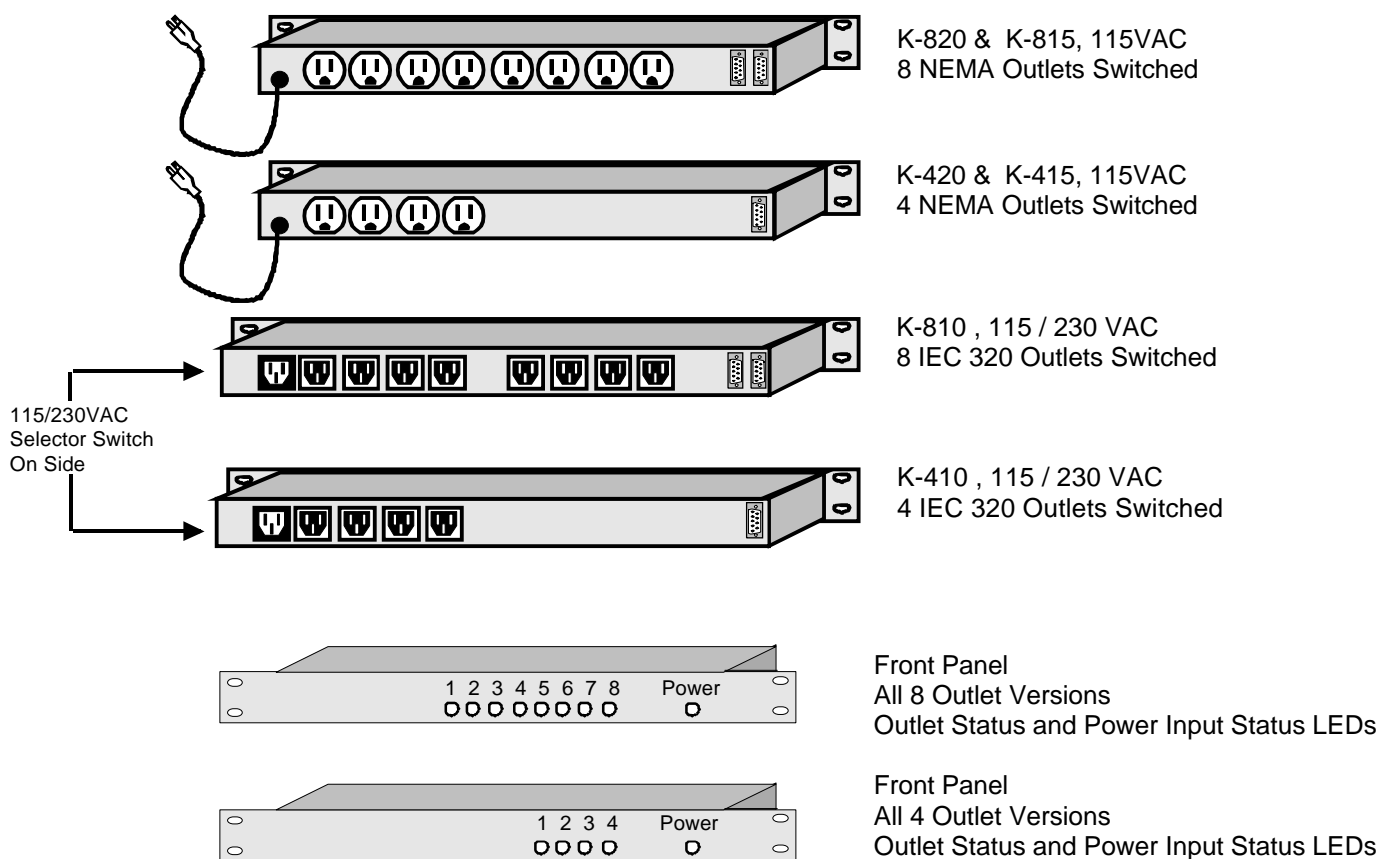
Remote Control Power Strip Models K-820, K-815, K-810 K-420, K-415 & K-410

Overview

The K-4xx and K-8xx series AC power strips provide multiple switched outlets that can be remotely controlled from one of Dataprobe's many remote control systems or from any device providing a contact closure. The following models are covered in this manual.

K-820	8 switched outlets, for use on 115 VAC, 20 Amp Service – NEMA N5-20
K-420	4 switched outlets, for use on 115 VAC, 20 Amp Service – NEMA N5-20
K-815	8 switched outlets, for use on 115 VAC, 15 Amp Service – NEMA N5-15
K-415	4 switched outlets, for use on 115 VAC, 15 Amp Service – NEMA N5-15
K-810	8 switched outlets, for use on 115/230 VAC, 12 /10 Amp International – IEC 320
K-410	4 switched outlets, for use on 115/230 VAC, 12 /10 Amp International – IEC 320

Throughout this manual the K-815 will be used to represent for all units, except where a distinct reference is made.



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IMPORTANT SAFETY INSTRUCTIONS

When using this product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Read and understand all instructions.
2. Follow all warnings and marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product in an outdoor environment or near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in this product and the back or bottom are provided for ventilation to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
8. This product is equipped with a three wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug. Do not use a 3-to-2 prong adapter at the receptacle; use of this type adapter may result in risk of electrical shock and/or damage to this product.
9. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by persons walking on it.
10. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
11. Never push objects of any kind into this product through slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electrical shock. Never spill liquid of any kind on the product.
12. To reduce the risk of electrical shock, do not disassemble this product, but take it to a qualified serviceman when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect re-assembly can cause electric shock when the appliance is subsequently used.
13. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a) When the power supply cord or plug is damaged or frayed.
 - b) If liquid has been spilled into the product.
 - c) If the product has been exposed to rain or water.
 - d) If the product does not operate normally by following the operating instructions. Adjust only those controls, that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - e) If the product has been dropped or has been damaged.
 - f) If the product exhibits a distinct change in performance.
14. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
15. Do not use the telephone to report a gas leak in the vicinity of the leak.
16. Do not exceed the maximum output rating of the auxiliary power receptacle.

SAVE THESE INSTRUCTIONS

Remote Control and Feedback

Two 9 pin female D-subminiature connector on the K-8xx series are used for connecting to the control and status feedback. The **K-4xx series** has only one 9 pin d-subminiature connector and is supplied with a cable for controlling it with one of Dataprobe's xPal- 4xx series power switches. This cable enables xPal-4xx unit to expand from 4 controlled outlets to 8.

The wiring for the control port is identical on all units. The K-4xx series only uses Control and Feedback #s 1 – 4 See Wiring detail below. . If your controller does not use this cable, you will need to build one or order an additional cable from Dataprobe. Refer to the control wiring details below for cable specification.

The K-815 is factory wired to normally provide power to all the outlets. This is the default condition. When the control cable removed, all outlets will be power On. The cable is designed to turn power OFF when a contact closure is made by the relay in the controlling device on the appropriate pins of the control cable.

A positive feedback system is provided to insure that power control commands are achieved. The a feedback circuit for each outlet provides a low condition to indicate that power is on. An Open condition indicates power off.

CONTROL WIRING: 9 pin female D-subminiature

Contact Closure between Control to Com = Power OFF

CONTROL #	PIN #	FEEDBACK#	PIN #
J1/J2			
1/5	1	1	6
2/6	2	2	7
3/7	3	3	8
4/8	4	4	9
COM	5	COM	5

Example: To turn off outlet number one, connect the Control (Pin 1) to the Common (Pin 5). The feedback on Pin 6 will change from Low (shorted to Pin 5) to Open.

Standard Connections to Dataprobe Control Products

Controlled by:	Cables Required
iP-410, -415, -420	#1940052, Included w/ K-410, - 415, -420 if ordered together
Cp-410, -415,-420	#1940052, Included w/ K-410, - 415, -420 if ordered together
MP-410 , -415,-420	#1940052, Included w/ K-410, - 415, -420 if ordered together
iPAL, CodePAL, MultiPAL	# 1940046 Qty 1 for K-4xx, Qty 2 for K-8xx series
8PK-SCS	# 1940046 Qty 1 for K-4xx, Qty 2 for K-8xx series
ANN, MAC or EMAC	# 1940048

Power Input and Output Connections

CAUTION Be sure to check that the unit is set to the correct operating voltage before plugging in the unit or applying AC power. Make certain to disconnect the K-81x from the AC power source before making any control connections.

A/C Power Connections

The K-820 & K-420 provide a linecord for connection to a 20 Amp 115VAC service. The total maximum current load for all outlets on the K-820 or K-420 cannot exceed 16 Amps.

The K-815 & K-415 provide a linecord for connection to a 15 Amp 115VAC service. The total maximum current load for all outlets on the K-815 or K-415 cannot exceed 12 Amps.

The K-810 & K-410 are for international applications and can be set for use on 115V or 230VAC. The K-810 & K-410 provide an IEC 320 style universal inlet for connecting a detachable power cord. A standard IEC to NEMA 5-15 cord set is supplied with the unit for use on 15 Amp 115VAC service. The total maximum current load for all outlets cannot exceed 12 Amps at 115VAC or 10 Amps when used at 230VAC.

The K-810 & 410 are selectable for 115VAC or 230 VAC operation. The voltage selector switch is located on the left side of the unit near the input connector (Viewed from rear panel). **Make sure the switch is in the proper position before applying power.**

The K-810 uses IEC320 connectors for the switched output. Dataprobe offers IEC to IEC jumper cables to assist in connection to PC, Router, etc that has IEC Connection

Order Cable

921-14-0016 IEC to IEC 3' long

921-14-0018 IEC to IEC 6' long

SPECIFICATIONS

Physical

19" wide x 6.25" deep x 1.75" high, EIA Rack Mount -1RU
Weight: 5 Lbs.



INDICATORS:

Power : On = Power applied to the unit
1 - 8 On = Power on to outlet specified

Power

Model K-820 & K-420	110 -120VAC 60 Hz, 16A Max
Model K-815 & K-415	110 -120VAC 60 Hz, 12A Max
Model K-810 & K-410	Switch Selectable ;110-120VAC 50-60Hz, 12A Max 210-240VAC 50-60 Hz, 10A Max

Power Connections

K-820 & K-420

Main Power Input:	NEMA 5-20 Plug on 6 foot 12/3 line cord
Output Circuits:	Standard NEMA 5-15 Receptacle
Current Maximums:	12 Amps per Receptacle 16 Amps combined total of all receptacles

K-815 & K-415

Main Power Input:	Standard NEMA 5-15 Plug on 6 foot 14/3 line cord - 120VAC
Output Circuits:	Standard NEMA 5-15 Receptacle
Current Maximums:	12 Amps per Receptacle 12 Amps combined total of all receptacles

K-810 & K-410

Select the proper voltage, 115V or 230 V, using the selector switch on the side of the unit before making power connection

Main Power Input:	IEC 320 Male Connector - 115/230 VAC Selectable
Output Circuits:	IEC 320 Receptacle
Current Maximums:	12 Amps per Receptacle @ 115VAC 10 Amps per Receptacle @ 230VAC 12 Amps combined total of all receptacles @ 115VAC 10 Amps combined total of all receptacles @ 230VAC

TECHNICAL SUPPORT, RETURNS and WARRANTY

Dataprobe Technical Support is available 8:30AM to 5:30PM ET to assist you in the installation and operation of this product. To obtain Technical Support call our Tech Support Hotline at 201-967-8788, or Email us at tech@dataprobe.com. Please have the following information available when you call:

- Model of Product
- Serial Number
- Data of Purchase
- Name of Seller (if other than Dataprobe)

If you purchased this product through an **Authorized Dataprobe Reseller**, you should contact them first, as they may have information about the application that can more quickly answer your questions.

WARRANTY

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in material and workmanship for a period of One Year from the date of initial purchase. If the product should prove defective within that period, Seller will repair or replace the product, at its sole discretion.

Service under this Warranty is obtained by shipping the product (with all charges prepaid) to the address below. Seller will pay return shipping charges. Call Dataprobe Technical Service at (201) 967-8788 to receive a Return Materials Authorization (RMA) Number prior to sending any equipment back for repair. Include all cables, power supplies and proof of purchase with shipment.

THIS WARRANTY DOES NOT APPLY TO NORMAL WEAR OR TO DAMAGE RESULTING FROM ACCIDENT, MISUSE, ABUSE OR NEGLIGENCE. SELLER MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY EXPRESSLY SET FORTH HEREIN. EXCEPT TO THE EXTENT PROHIBITED BY LAW, ALL IMPLIED WARRANTIES, INCLUDING ALL WARRANTIES OF MERCHANT ABILITY OR FITNESS FOR ANY PURPOSE ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE; AND THIS WARRANTY EXPRESSLY EXCLUDES ALL INCIDENTAL AND CONSEQUENTIAL DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from jurisdictions to jurisdiction.

WARNING: The individual user should take care to determine prior to use whether this device is suitable, adequate or safe for the use intended. Since individual applications are subject to great variation, the manufacturer makes no representation or warranty as to the suitability of fitness for any specific application.

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