



AC Power Control Module
MODEL K-10-IEC
Instruction Manual

GENERAL DESCRIPTION

Dataprobe's AC Power Control Module, Model K-10-IEC allows AC Power to be switched on and off remotely by any remote control device that provides a contact closure or open collector relay driver. The K-10-IEC can be used in both domestic 115 VAC 60 Hz or international 230 VAC 50Hz applications. The unit is equipped with universal IEC 320 type AC power connectors for use with standard detachable IEC power cords.

The K-10-IEC is compatible with Dataprobe's remote control products (MultiPal, Code Activated Switch, Call Director and Dial Back-up Systems). A Power lamp indicates when the unit is in the ON mode and power is available at the outlet. Power status can also be remotely monitored thru the use of Dataprobe's unique feedback circuitry. Connection to the control and feedback signals are wired thru an RJ45 modular jack.

OPERATION

The K-10-IEC responds to an externally supplied contact closure or open collector relay driver. The unit is factory set to **default** to the **ON** condition. With the contacts open or driver off, or if the control cable is removed, the power will be on.

STATUS / FEEDBACK

The K-10-IEC provides positive indication of the current status of the power to the receptacle. A lead in the RJ45 connector (pin 4) is used to identify the power ON or OFF condition of the unit. An open collector output signal provides positive feedback to Dataprobe's remote control equipment, allowing the controlling device to correctly identify the present status of the K-10-IEC.

When the power is OFF, pin 4 will be open relative to ground (Pin 5). When the power is ON, this pin is shorted to ground.

REF: MMANUALS\PWRI\K10-IEC_V980729D.DOC

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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.
 - g) Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
14. Do not use the telephone to report a gas leak in the vicinity of the leak.
15. Do not exceed the maximum output rating of the auxiliary power receptacle.

SAVE THESE INSTRUCTIONS

INSTALLATION AND CONFIGURATION

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-10-IEC from the AC power source before making any control connections.

Control Cable

Connect an RJ45 control cable to the K-10-IEC and the controlling device.

The following connections on the RJ45 connector are used.

Pin 3 Contact Input

Pin 6 Common

Dataprobe can supply cables to interface the K-10-IEC to any of its remote control products:

Multi-Pal	Tone Activated Switch Controller
Code-Pal	Multiple Relay Control System
E-pal	Ethernet Remote Control System
Micro Call Director	Dial Line Switch with Remote Control Features
Dial Back-up Systems	Network Restoral and Remote Switching

AC Power Connections

The K-10-IEC can be set for operating voltages of 110-120 VAC or 220-240 VAC by setting the voltage selector switch located on the side of the unit to the appropriate position 115 or 230.

Connect the device to be powered ON and OFF to the IEC receptacle marked **Switched Outlet**. A short IEC 320 power jumper cord is included for connecting the K-10-IEC outlet to the IEC 320 power input connector on your device.

Make sure that the combined load of all controlled devices does not exceed 10 Amps.

Connect the K-10-IEC to your AC source by using a detachable type IEC-320 power cord terminated with the local standard plug. The detachable power cord can be removed from the device you will be controlling and installed into the IEC connector labeled **AC Input** the K-10-IEC connect the other end of the cord to the AC supply.

If a power cord with a different terminating plug is required be sure it is properly rated and meets all the required local electrical standards.

SPECIFICATIONS

Model

K-10-IEC A/C Power Control Module

Physical

Height 2.70 in.
 Width 3.25 in.
 Depth 4.00 in.
 Weight 1.00 lb.

AC

Input: 3 Prong, Male, IEC 320 input connector.

Input Cord Spec...18AWGX3C 10A 250 UL/CSA/VDE Rated

Voltage Range: Switch Selectable 105 -125 VAC or 210-240 VAC 50/60 Hz

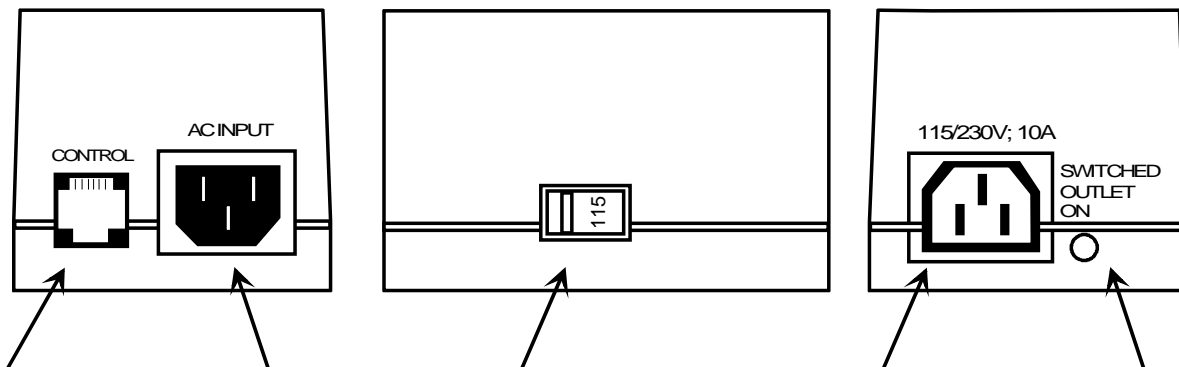
Switched Receptacle: 3 Prong Female IEC

Capacity: 10 Amps Max



Control

Control Leads Connected Using RJ45 Type Modular Jack.



Control Port
8 Position Modular
(RJ45)

Power Input
IEC 320 Male
Line Cord Not
Included.

Power Input
Selector 115/230 VAC

Power Output
IEC 320 Female

Power Status
LED Indicator

Pinout

- 1 N/U - Special Application
- 2 Tristate Feedback Out - Special Application Only
- 3 Contact Control Input
- 4 Feedback
- 5 Signal Ground Feedback
- 6 Common (Relay Control Input)
- 7 N/U - Special Application
- 8 N/U - Special Application

Shipped with 18"
IEC320M to IEC320F
Cable

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- 934-5111, 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) 934-5111 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.