



# **dataprobe iBoot-IO Contact Control Power Switch Instruction Manual**

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**dataprobe iBoot-IO Contact Control Power Switch**



## Product Information

The iBoot-IO is a remote controlled power On / Off switch. It is capable of switching up to 12 Amps at 120VAC and 10 Amps at 220 VAC. The iBoot-IO handles worldwide power from 105-240VAC. It come in four different models: iBoot-IO, iBoot-IO-OFF, iBoot-IO-LS, and iBoot-IO-OFFLS. The models differ in the type of input circuit used to control the power and the default status of the power outlet when no control is provided.

## Model Specifications

SKU	Model	Default Power	Control Input Type
1410037	iBoot-IO	ON	Dry Contact
1410039	iBoot-IO-OFF	OFF	Dry Contact +3 to +12 VDC
1410044	iBoot-IO-LS	ON	Dry Contact +3 to +12 VDC
1410045	iBoot-IO-OFFLS	OFF	Dry Contact +3 to +12 VDC

## Connections

- **Connect Powered Device:** Connect the device to be powered ON and OFF to the IEC receptacle marked Switched Outlet. Ensure that the combined load of all controlled devices does not exceed 12 Amps for 105-125VAC or 10 Amps for 210-240VAC.
- **Connect Power Mains:** Connect the supplied power cord to the connector labeled AC Input, and the other end to your AC source. If a power cord with a different terminating plug is required, make sure it is properly rated and meets all the required local electrical standards.
- **Other Power Cords Sourced Locally:** Connect to Power Mains using Supplied Cord. Connect Powered Device using Supplied Cord.
- **Inputs and Outputs**

The iBoot-IO has screw terminal blocks for easy cable fabrication. Ensure that screw terminals are tightened

securely and that there are no loose strands of cable or excessive stripped wires.

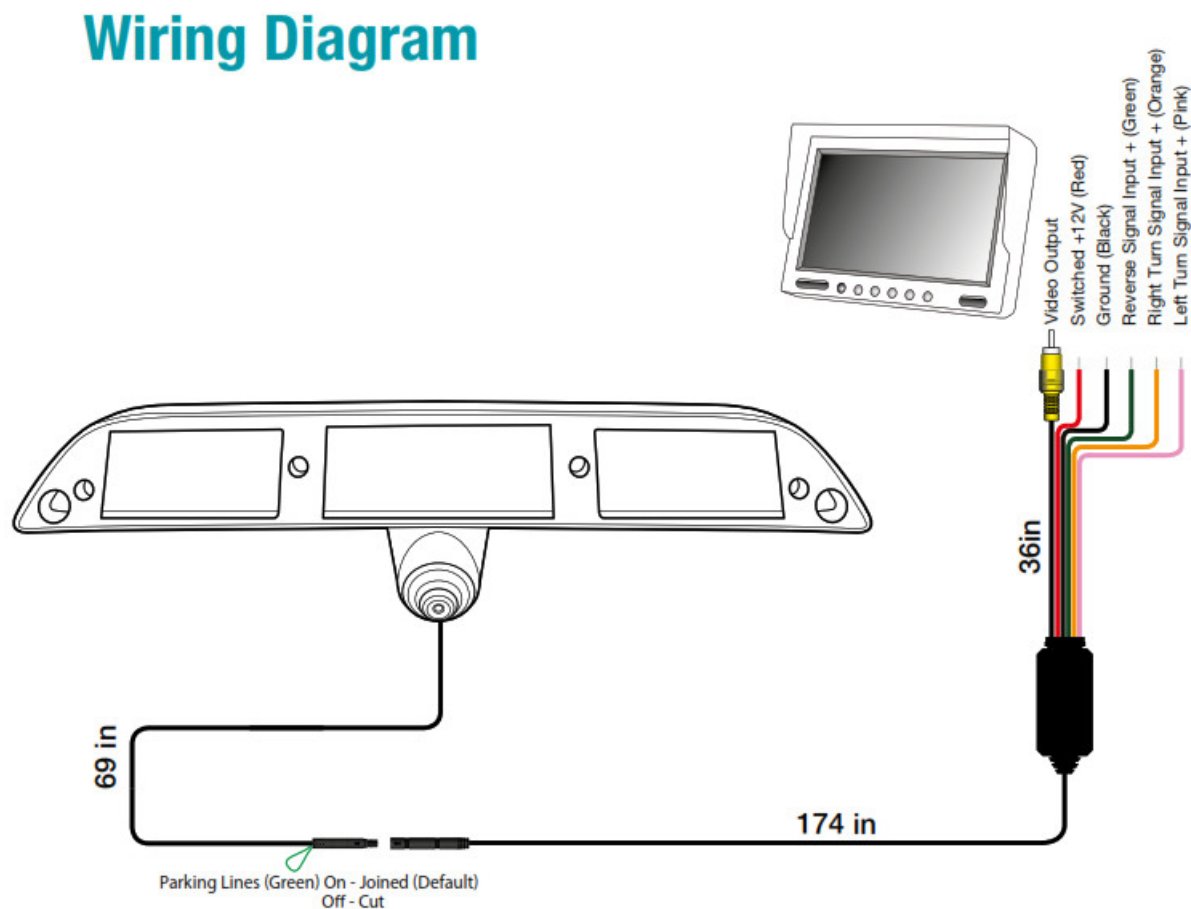
### Model iBoot-IO 1410037

- **Function:** Feedback Output: High(Open) = Power OFF, Low (Ground) = Power ON
- **G:** Ground (Common Ground)
- **I:** Control Input: Open = Power ON, Ground = Power OFF

### Model iBoot-IO-OFF 1410039

- **Function:** Feedback Output: High(Open) = Power OFF, Low (Ground) = Power ON
- **G:** Ground (Common Ground)
- **I:** Control Input: Open = Power OFF, Ground = Power ON
- Dry Contact Versions – Specifications
- **Input Relay Coil Sensitivity:** 44mA @ 12 VDC
- **Output Transistor Rating:** 100 mA 30 VDC Max.

### Wiring Diagram for Dry Contact Versions iBoot-IO and iBoot-IO-OFF



### Model iBoot-IO-LS 1410044

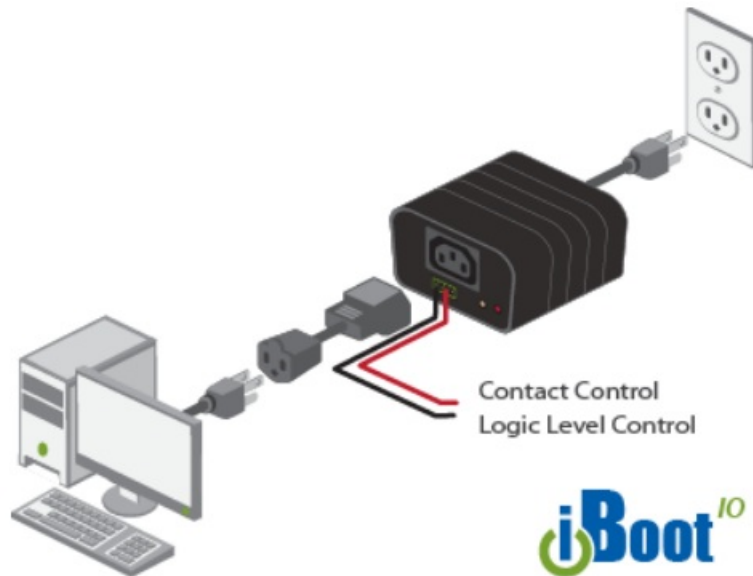
- **Function:** Feedback Output: High(Open) = Power OFF, Low (Ground) = Power ON
- **G:** Ground (Common Ground)

- **I:** Control Input: Open = Power OFF, Ground = Power ON

**Note:** The rest of the text is cut off and incomplete.

## General Description

The iBoot-IO is a remote controlled power On / Off switch. One external control input is used to switch the power ON and OFF. The iBoot-IO also provides a feedback circuit to verify the current power status. iBoot-IO handles worldwide power from 105-240VAC. It is capable of switching up to 12 Amps at 120VAC and 10 Amps at 220 VAC. Screw terminals provide connection to the contact closure control and feedback circuit. Power connections are made using supplied IEC-320 to NEMA 1-15 cables.



## Covered Models

Four models are covered in this document. They differ in the type of input circuit used to control the power and the default status of the power outlet when no control is provided.

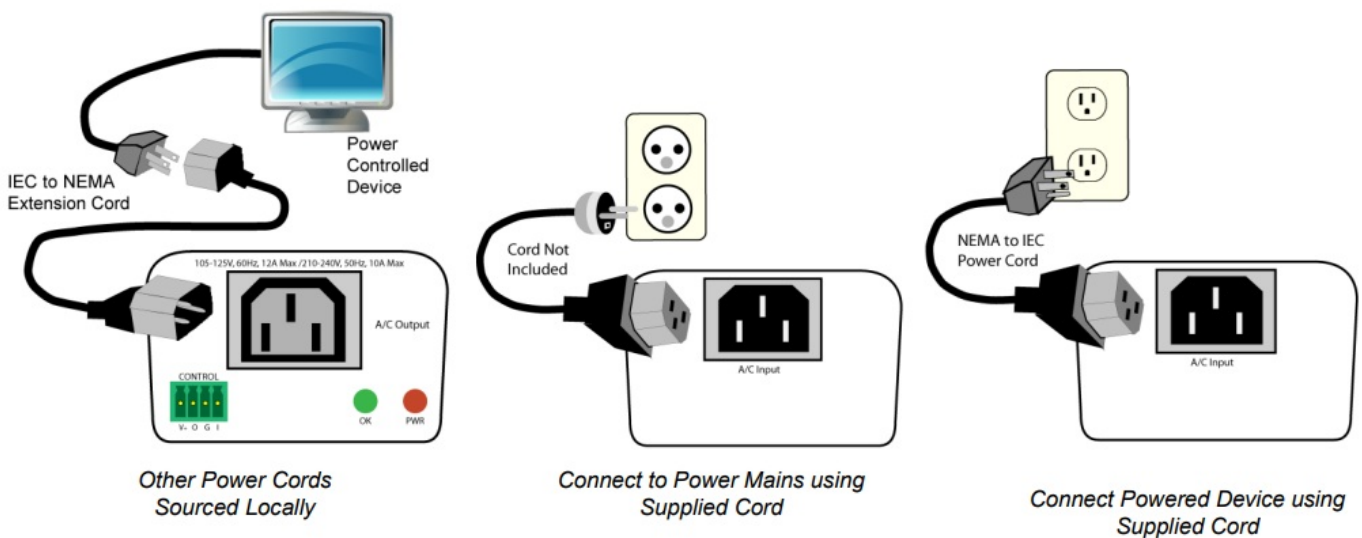
SKU	Model	Default Power	Control Input Type
1410037	iBoot-IO	ON	Dry Contact
1410039	iBoot-IO-OFF	OFF	Dry Contact
1410044	iBoot-IO-LS	ON	+3 to +12 VDC
1410045	iBoot-IO-OFFLS	OFF	+3 to +12 VDC

## Connections

### Connect Powered Device

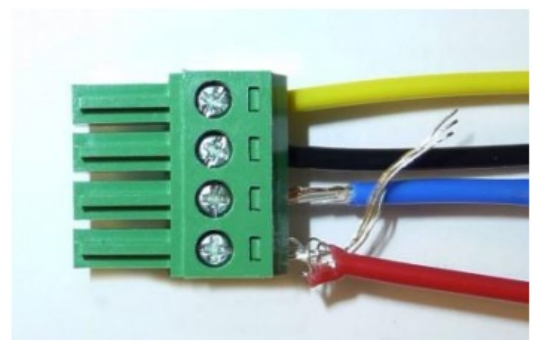
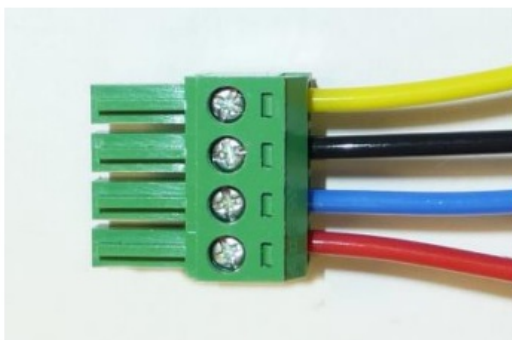
- Connect the device to be powered ON and OFF to the IEC receptacle marked Switched Outlet. An IEC 320 to North American (NEMA 5-15) power cord is included for connecting the iBoot-G2 outlet to the device to be controlled.
- Make sure that the combined load of all controlled devices does not exceed 12 Amps for 105-125VAC or 10 Amps for 210-240VAC.

- **Connect Power Mains** Connect the supplied power cord to the connector labeled AC Input, and the other end to your AC source. 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.



## Inputs and Outputs

- The screw terminal blocks are on removable connectors for easy cable fabrication. Follow the correct diagram and table co-responding to the proper model.
- Make sure screw terminals are tightened securely and that there are no loose strands of cable, or excessive stripped wires.



## Model iBoot-IO 1410037

- Default Power ON
- Dry Contact Control

iBoot-IO	Function
O Feedback Output	High(Open) = Power OFF Low (Ground) = Power ON
G Ground	Common Ground
I Control Input	Open = Power ON Ground= Power OFF

## Wiring Diagram for Dry Contact Versions iBoot-IO and iBoot-IO-OFF

### Model iBoot-IO-OFF 1410039

- Default Power OFF
- Dry Contact Control

iBoot-IO-OFF	Function
O Feedback Output	High(Open) = Power OFF, Low (Ground) = Power ON
G Ground	Common Ground
I Control Input	Open = Power OFF Ground= Power ON

Wiring Diagram for Dry Contact Versions iBoot-IO and iBoot-IO-OFF

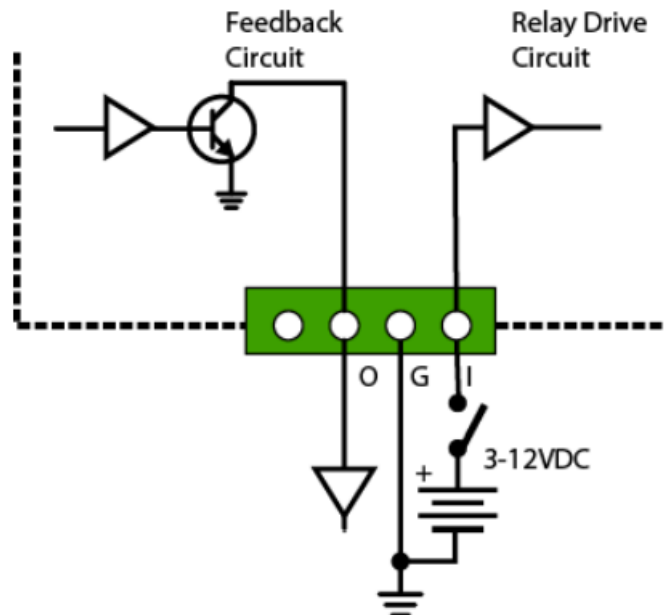
### Dry Contact Versions – Specifications

- **Input Relay Coil Sensitivity:** 44mA @ 12 VDC
- **Output Transistor Rating:** 100 mA 30 VDC Max.

### Model iBoot-IO-LS 1410044

- Default Power ON
- DC Voltage (Wet) Control

iBoot-IO-LS	Function
O Feedback Output	High(Open) = Power OFF, Low (Ground) = Power ON
G Ground	Common Ground
I Control Input	Open, <1.5 VDC Power ON +3-12 VDC = Power OFF



**Wiring Diagram for +VDC (Wet) Models iBoot-IO-LS and iBoot-IO-OFFLS**

#### Model iBoot-IO-OFFLS 1410045

- Default Power OFF
- DC Voltage (Wet) Control

iBoot-IO-OFFLS	Function
O Feedback Output	High(Open) = Power OFF, Low (Ground) = Power ON
G Ground	Common Ground
I Control Input	Open, <1.5 VDC Power OFF +3-12 VDC = Power ON

**Output Transistor Rating:** 100 mA 30 VDC Max.

#### LED Indicators

LED	OFF	ON
OK – Green	Power Main Disconnected	Power Main Connected
PWR – Red	Power Outlet Off	Power Outlet On

#### Mounting Options

iBoot-IO models are suitable for desktop or shelf mounting. A mounting kit for wall and DIN rail mounting is available. Order part

#### Mounting Kit for iBoot- G2 Series

Remove all cables from the unit prior to installing or removing any mounting hardware.



### Installing the Wall Mounting Kit

Remove the four mounting screws from the underside of the unit.



Do not disassemble the unit.

Install the wall mounting ears to the unit using the screws removed in Step 1



### DIN Rail Mounting

Install the Wall Mounting Kit as shown.



Install the DIN rail clips using the four screws provided.





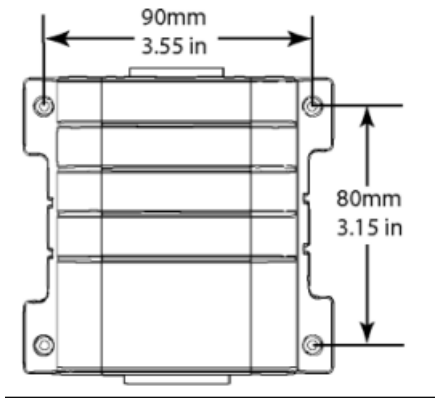
The unit is ready for wall mounting.



Ready for DIN rail mounting.



Use M3 or #4 screws (not included) for attachment to sui table surface



Specifications

Physical

Height	2.0" 60mm
Width	3.2" 82mm
Depth	4.2" 107mm
Weight	8.6 oz 244g
MTBF	400,000 Hours
Temperature	0 – 50 degrees C

AC

Input	IEC 320 C14
Input Cord	16AWGX3C 10A 250 UL/CSA/VDE Rated (1.25mm <sup>2</sup> X3C)
Voltage Range	Auto Sensing 105-240 VAC
Switched Receptacle	IEC 320 C13
Capacity	12 A Max at 105-125 VAC, 10 A Max at 210-240 VAC

## Input and Output Connections

- Four position removable screw terminals.
- 18AWG maximum.
- Maximum distance 330feet/100m using
- 24AWG wire.
- **Relay Coil Sensitivity:** 44ma @ 12 VDC

## Compliance

UL/cUL	UL60950 Listed I.T.E File No. 188
CE	Directives 89/336/EEC, 92/31/EEC and 93/68/EEC EN 60950: 3rd Edition EN 55022: 1998 Class B
FCC	Part 15 Class B

## 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
  - When the power supply cord or plug is damaged or frayed.
  - If liquid has been spilled into the product.
  - If the product has been exposed to rain or water.
  - 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.
  - If the product has been dropped or has been damaged. 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.

## **Technical Support and 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 Three Years 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. Repairs may be made with new or refurbished components and replacements may be new or refurbished at the Sellers sole discretion. Repaired or replaced units shall be warranted for the balance of the original warranty, or 90 days, whichever is greater.
- If Purchased from Dataprobe Inc.; Service under this Warranty is obtained by shipping the product (with all charges prepaid) to the address below. Seller will pay return shipping charges within the

- United States. Call Dataprobe Technical Service to receive a Return Materials Authorization (RMA) Number prior to sending any equipment back for repair. Include all cables, power supplies, accessories and proof of purchase with shipment.
- If purchased from an Authorized Dataprobe Reseller; Service under this Warranty is obtained by contacting your Authorized Dataprobe Reseller.
- THIS WARRANTY DOES NOT APPLY TO NORMAL WEAR OR TO DAMAGE RESULTING FROM ACCIDENT, MISUSE, ABUSE OR NEGLECT. 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.

#### **Dataprobe Inc.**

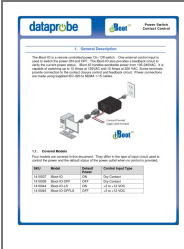
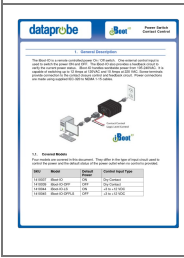
- **Technical Support:** 201-934-5111
- [support@dataprobe.com](mailto:support@dataprobe.com)
- [www.dataprobe.com/support.html](http://www.dataprobe.com/support.html)

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- Technical Support [tech@dataprobe.com](mailto:tech@dataprobe.com) 201-934-5111 [www.dataprobe.com/support](http://www.dataprobe.com/support) 201-934-9944

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#### **Documents / Resources**

	<p><a href="#">dataprobe iBoot-IO Contact Control Power Switch</a> [pdf] Instruction Manual</p> <p>1410037, 1410039, 1410044, 1410045, iBoot-IO, iBoot-IO Contact Control Power Switch, Contact Control Power Switch, Control Power Switch, Power Switch, Switch</p>
	<p><a href="#">dataprobe iBoot-IO Contact Control Power Switch</a> [pdf] Instruction Manual</p> <p>1410037, 1410039, 1410044, 1410045, iBoot-IO, iBoot-IO Contact Control Power Switch, Contact Control Power Switch, Control Power Switch, Power Switch, Switch</p>

References

- [User Manual](#)