KF CONTROLS

KINGFISHER CONTROLS

Making Better Sense For You

Portable Sensor Tester 2016

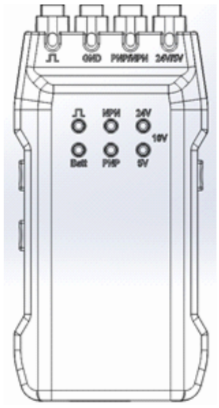


ACCESSORIES
INDUCTIVE
METAL FACE
HIGH/LOW TEMPERATURE
PHOTOELECTRIC
ULTRASONIC
ADAPTIVE
CAPACITIVE
QUICK CONNECT CABLES
CUSTOMIZATION

WWW.KFCONTROL.COM

Test Box -Rechargeable

Test Box





L 118.6mm, W 63.5mm, H 23.4mm
L 4.67in, W 2.50in, H 0.92in

Specification	Mobile Test Box		Features
Sensor Styles	PNP, NPN. 2-wire DC		
Output Voltage: Selectable	5V +/-5% 11V +/-5% 22V +/-5%		Rechargeble Batteries NPN/PNP Autodetect 2-Wire DC selection to reduce power
Battery Chemistry	NiMH		3 Selectable Output Voltages
Battery Capacity	2400mA-Hour		Resetable Short Circuit Protection
Operating Time (Full Charge) using 5mA sensor power	5V 11V 22V	96 Hours 48 Hours 24 Hours	Programmable Buzzer: Volume Control Power Savings 11V Voltage Section to improve battery life
Output Current	5V 11V 22V	250mA 250mA 125mA	No problematic slide switches Sleep Mode when not in use NiMH Chemistry for safe transport
LED Indicators (6 total)	NPN/PNP, Battery Level, Voltage Select		**Settings are saved on Power-Down**
Buzzer	Programmable On/Off/Volume		Programmable LED Brightness
Power Savings	Sleep mode, LED dimmer, Voltage select		Reset to factory values
Enclosure Rating	Dust Proof		
Operating Temperature	-10C-+50C		
Protection	Short Circuit, Resetable		
Case Material	PBT		
Connection Type	Spring Clamps		
External Charging	USB Port 2.0 Connector 5V +/- 10% Output		
Battery Charging	USB Micro B Connector 3V-6V Input		
Battery Charge Time (500mA)	5 Hours		

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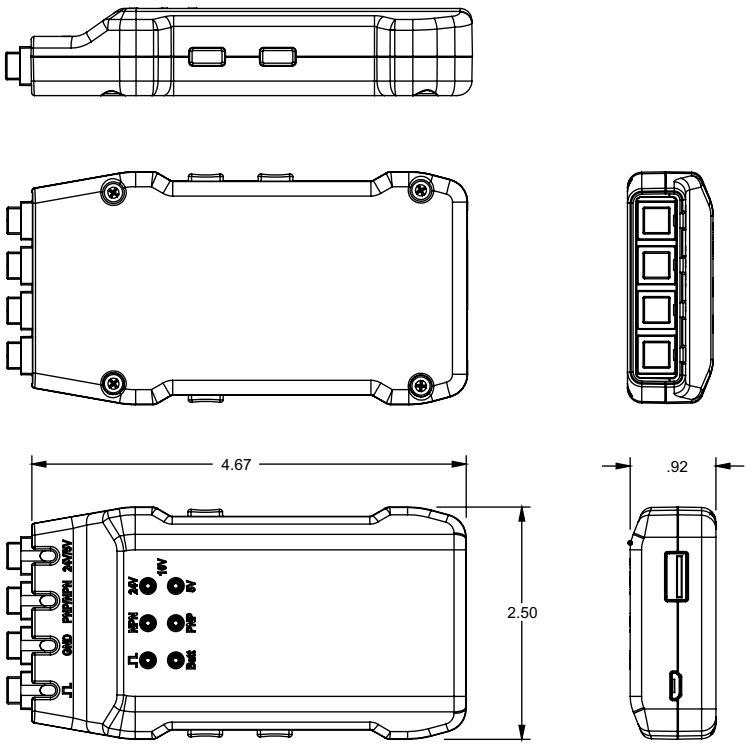
Simple Operation

1. Press Power
2. Scroll through voltage selection
3. Connect Sensor
4. When sensor is actuated the correct PNP/NPN will light and the buzzer will sound

Note: Setting will be saved on power-down

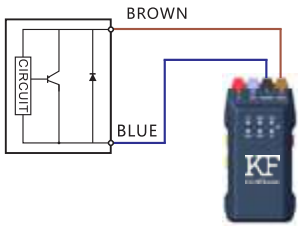


Dimensions

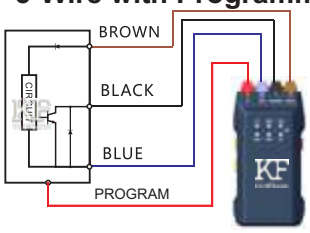


Connection/Mode

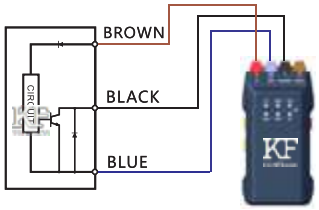
2-Wire



3-Wire with Programming



Pulse Power

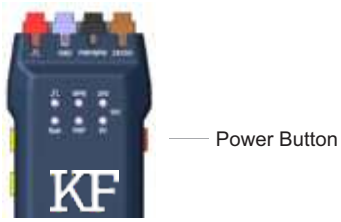


Button Functions

Power Button

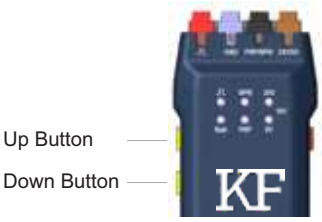
Function	Action	Response
Power ON	Single Press PS	Speaker sounds
Power OFF	Double Press PS	Speaker sounds and Settings are saved (1)

1 LED Brightness, Buzzer, and Voltage Level



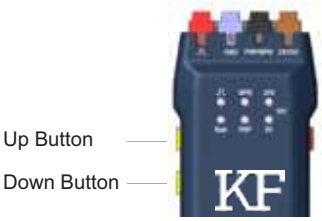
Down Button

Function	Action	Response
Voltage selection	Single Press DN	Voltage scrolls though choice of OPEN, 5V, 11V, or 22V after each DN press. The LEDs lights to indicate: • OPEN • 5V - Lower Voltage LED • 11V - Both Voltage LEDs • 22V - Upper Voltage LED

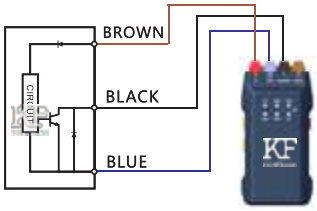


Up Button

Function	Action	Response
Pulse Power	Single Press UP	The Sensor PWR voltage is applied to the Pulse RED spring clamp as long as the UP button is depressed. When the UP button is released the voltage is removed from the RED spring clamp Pulse LED On when UP depressed
Buzzer Toggle	Double Click UP	Buzzer toggles between ON and OFF



Pulse Power



Test Box -Rechargeable

Indicator Status

Battery Status

Function	Action	Response
Battery Charge Level	Click PS	After clicking the PS button all 6 LEDs will indicate charge level for 2 seconds. All 6 LEDs lit indicate full charge. Each LED off indicates a percentage from full charge. The lowest level of charge is indicated by only the RED LED lit.  50% 100%

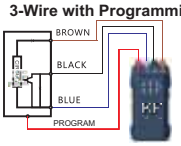


Power Button

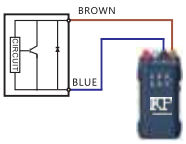
Sensor Output Status

Function	Action	Response
Sensor Output Detection in 3-wire Mode	Sensor Testing On/Off	If Sensor out is activated the corresponding NPN or PNP LED will Light and Buzzer will sound.  NPN PNP
Sensor Output Detection in 2-wire Mode	Sensor Testing On/Off	If Sensor out is activated both NPN and PNP LEDs will light to indicate a 2-wire sensor is activated and Buzzer will sound. 

3-Wire with Programming



2-Wire



Programming

2- Wire Mode OR 3-Wire Mode

Press and hold PS until both NPN and PNP LEDs blink

Double click to select 2-wire programming mode

Press UP to select 2-wire mode (Both NPN and PNP LEDs are on and Beeps)

OR

Press DN to select 3-wire mode (PNP LED is on and Beeps)

Double click on PS when desired style is selected (Both NPN and PNP LEDs are on)

Press and Hold PS until Batt LED lights to end programming mode

Volume

Press and hold PS until both NPN and PNP LEDs blink

Click UP to select Volume programming mode (All LEDs are off and buzzer beeps)

Double click to select Volume mode

Press UP to increase Volume (LEDs will show level increase)

OR

Press DN to decrease Volume (LEDs will show level decrease)

Double click on PS when desired Volume is selected (Both NPN and PNP LEDs are on)

Press and Hold PS until Batt LED lights to end programming mode

LED Dimmer (Note LED brightness will affect battery life)

Press and hold PS until both NPN and PNP LEDs blink

Click DN once OR UP 2 times to select Dimmer programming mode (LEDs cycle brightness options)

Double click to select Dimmer mode

Press UP to increase Dimmer (LEDs will show level increase)

OR

Press DN to decrease Dimmer (LEDs will show level decrease)

Double click on PS when desired Dimmer option is selected (LEDs cycle brightness options)

Press and Hold PS until Batt LED lights to end programming mode

Factory Default (LED Dimmer, Buzzer, Voltage, 3-Wire)

Press and hold DN and UP buttons together

Click PS button