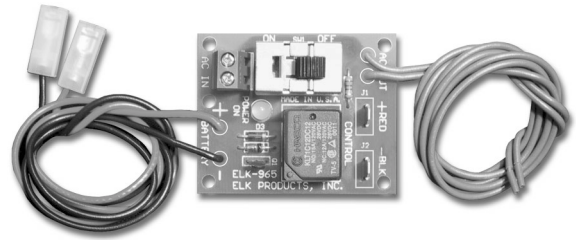


# Low Battery Cutoff & Master Power Switch

## ELK-965

The ELK-965 is a Low Battery Cutoff Module combined with a Master Power Switch. It is designed to work with virtually any 12 Volt D.C. control panel or power supply. In the event of an extended power outage, the ELK-965 sensing circuit automatically disconnects the battery when the voltage falls below 10 Volts DC. This helps to prevent “deep discharging” of the battery. The convenient power switch permits the installer or user to easily disconnect both the Battery and the AC power from the control or power supply.



## Features

- Works With Any 12 Volt D.C. Control Panel.
- Automatic Low Battery Cutoff Protects Battery From Deep Discharge.
- AC and Battery On / Off Power Switch.
- Visual LED Power Indicator.
- Installer Friendly - Small Compact Size.
- Includes AC Wires & Battery Leads.
- Fits Standard Snap Track.
- Includes Double Sided Mounting Tape.
- Lifetime Limited Warranty.
- Available in 20 piece bulk pack - 965-B20.

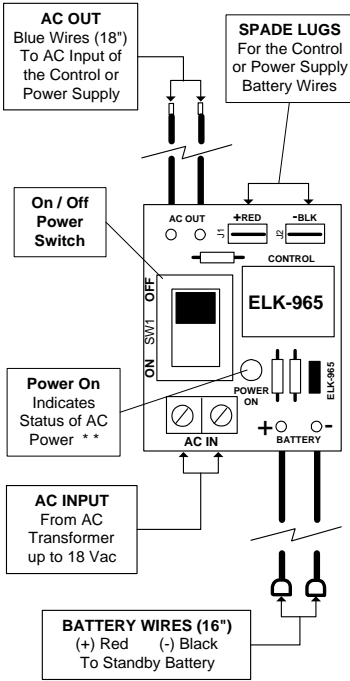
## Specifications

- Relay Contacts: Form “C”, 7 Amp @ 28 VDC.
- On / Off Power Switch: DPDT Slide Type.
- AC Power Leads: 18 AWG, 18” Length.
- Maximum Transformer Size: 18 VAC.
- Battery Leads: 18 AWG, 18” Length.
- Low Battery Cutoff Voltage: ~10 VDC.
- Size: 1.75” x 2.185” (44.5mm x 55.5mm) Form “C”, 7 Amp @ 28 VDC.

**Available in money saving bulk pack of 20 units, ELK-965-B20.**

**Available as Master Power Switch Only, ELK-964 or money saving bulk pack of 20 pcs, ELK-964-B20.**

The ELK-965 is extremely useful for adding a Master Power On / Off switch along with automatic low battery cutoff to virtually any 12 Volt D.C. Control Panel or Power Supply.



### Installation

1. Disconnect AC transformer and battery from the Control or Power supply.
2. Turn off the Power Switch on the ELK-965.
3. Connect blue wires from the ELK-965 to the AC input of the Control or Power Supply.
4. Connect red and black battery wires from the control or power supply to the male spade lugs on the ELK-965.
5. Connect AC transformer wires to the terminals marked AC IN on the ELK-965.
6. Connect red and black battery wires from the ELK-965 to the 12 Volts D.C. standby battery.

**Note: The Control or Power Supply cannot be powered up from the battery only because the ELK-965 battery cutoff relay requires AC power to be on and the Control or Power Supply charging current to be verified before it will energize..**

### Operation

In the event of an AC power outage the battery continues to provide power until it's voltage level drops to approximately 10 Volts D.C. The ELK-965 will then disconnect the battery, thus shutting off the DC power to the device and saving the battery from a harmful deep discharge condition. The battery remains disconnected until the AC power is restored.

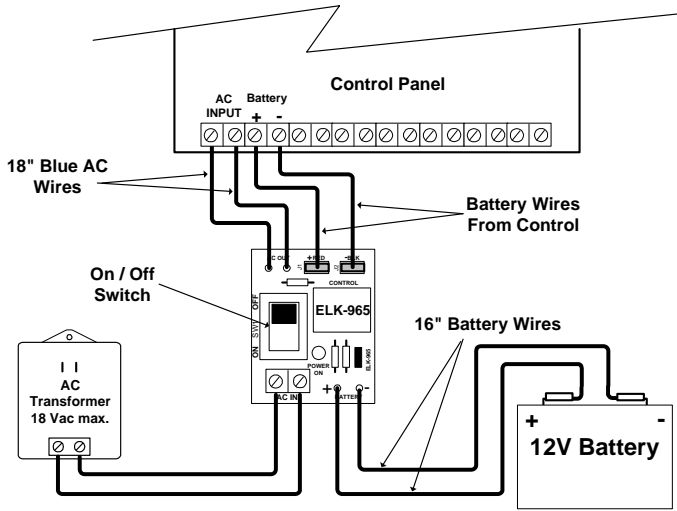
The On / Off switch allows both the AC and DC (battery) power to be turned off to a control or power supply. The green Power On LED primarily indicates the status of the incoming AC power, however it can also provide other useful troubleshooting indications.

\*\* Green "Power On" LED Indications

- LED On = AC Power is On and the red and black battery wires from control are connected.
- LED OFF = AC Power is Off or the red and black wires from control are both disconnected.
- LED Dim = AC Power On but one of the red or black wires from control is disconnected.

**Caution: The ELK-965 cannot determine the status or condition of a battery. This functionality would have to be provided by the control panel or power supply.**

### Control Panel Hookup



### Power Supply Hookup

