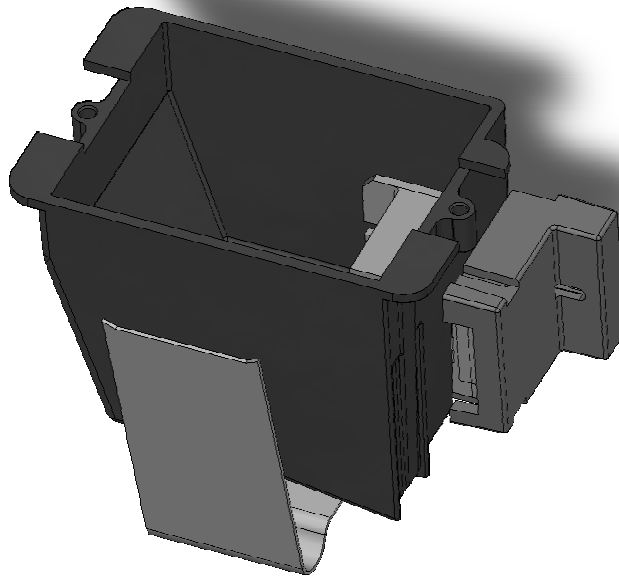


# Low Voltage Controlled, 120 Volt AC Switched Outlet Box

## INSTALLATION GUIDE



Intellitec Part No. 00-0957-000/-100

Maximum Current: 20 Amp resistive, 15 Amp General Purpose, TV-3 @ 120 VAC

The Low Voltage Controlled, 120 Volt AC Switched outlet Box is intended to be an interface between a 12 volt DC signal and a controlled 120 volt AC load. It provides safe electrical isolation between these two circuits to prevent any shock hazard. The unit comes in two versions; the 00-00957-000 with normally closed contacts, and the 00-00957-100 with normally open contacts.

One of its typical applications is as a TV interlock for an RV to prevent the television from operating while the ignition is turned on. In this application, the normally closed contact version is used to supply the power to the TV. The coil of the relay is fed from the an ignition source. When the ignition is turned on, the power to the TV is interrupted, preventing it from operating when the engine is on.

The normally open contact version is typically used to allow the control of a 120 volt AC load by a twelve volt signal. With this version, a 12 volt DC signal is applied to coil, the relay then closes applying power to the load.

The unit will mount in a panel up to 3/8" thick. It is intended to be used with 12 or 14 gauge, non-metallic sheathed cable (commonly known as Romex).

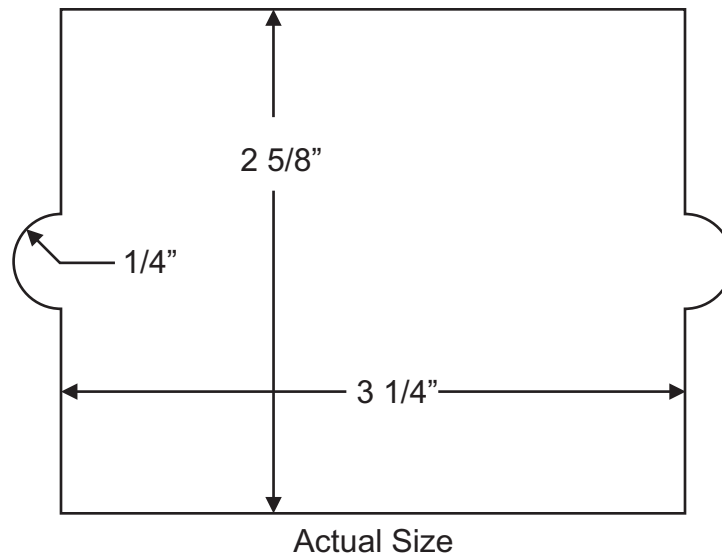
**Intellitec**

131 Eisenhower Lane North  
Lombard, IL 60148  
630.268.0010 / 1.800.251.2408

# Low Voltage Controlled, 120 Volt AC Switched Outlet Box

## Installation Procedure

- 1) To install the Low Voltage Controlled 120 Volt Outlet Box, select a location in a panel that will allow sufficient room for it to fit. The panel thickness cannot exceed  $\frac{3}{8}$ ". Avoid edges or obstructions that will prevent the mounting spring from expanding after the unit is inserted in the panel.
- 2) Drill two  $\frac{1}{2}$ " diameter holes,  $3\frac{1}{4}$ " apart to form the half-round ends of the final cutout. (See template below.)



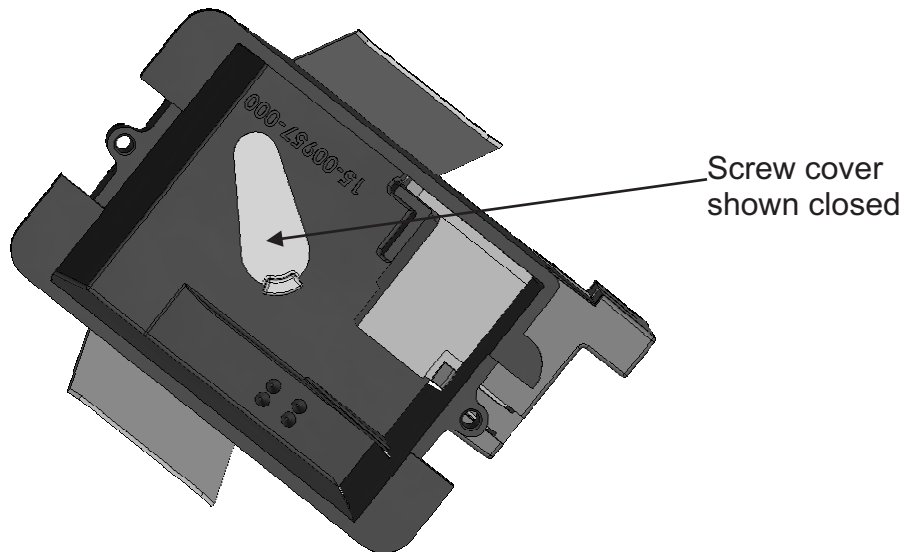
- 3) Pull the end of the non-metallic sheathed cable (commonly known as Romex) out of the mounting hole.
- 4) Strip back approximately 5" of the sheath to expose the individual wires.
- 5) Strip approximately  $\frac{1}{2}$ " of insulation from each of the black and white wires
- 6) Pull the ends of the 12 volt wires through the cutout and plug them into the terminals of the relay on the outside of the box using 0.187" slip-on type connectors.
- 7) Insert the stripped end of the sheathed cable into the slot on the end of the box until the

# Low Voltage Controlled, 120 Volt AC Switched Outlet Box

sheath is approximately  $\frac{1}{2}$ " inside the strain relief barb.

8) Insert the box into the cutout, with the relay end going in first and then rotate the box until the face is seated on the front of the mounting panel. Both ends of the mounting spring should be behind the panel.

9) Using a #2 Phillips screw driver, tighten the mounting screw located in the center of the back of the box, until it is tight and the box is secured. Position the screw cover over the head of the screw.



*Examine the two wires inside the box that come attached to the relay, noting that one is partially stripped and the other has a hooked terminal on it. These wires are used to connect to the incoming power and the outlet.*

10) Connect the Black wire from the sheathed cable to the partially stripped wire from the relay, using an appropriate wire nut.

11) Connect the wire from the relay with the hooked terminal to the brass screw of a duplex outlet and tighten securely.

12) Connect the White wire from the sheathed cable to the white screw on a duplex outlet and tighten securely.

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- 13) Connect the bare copper safety ground wire from the sheathed cable to the ground screw on the outlet and tighten securely.
- 14) Push the wires and outlet into the box, being sure that none of the wires are pinched.
- 15) Secure the outlet to the box using the two 6-32 screws provided with the outlet.
- 16) Install a standard duplex cover plate over the box and secure it with the screw supplied with the cover plate.

The installation is now complete.

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