

# Acroprint<sup>®</sup> Relay Kit Instruction.

The Signal and Access Relay Box is designed for use with Acroprint's badge reading terminals. It has two independent types of switching circuits, a switched AC power line circuit and a mechanical relay circuit. Either circuit may be used to control AC powered bells, alarms, horns, or door access electric strikes. DC and all low voltage powered devices MUST use the mechanical relay contacts (an external power source is required).

## **For direct AC power line switched circuits use CON1:**

- Direct switching means that the input voltage on CON5 is directly switched to CON1
- Connect the device to the CON1 terminal strip using AC OUT, NEUT and GND connection points. Wires should be stripped ¼ inch.
- If you are using the badge terminal's Bell signal, slide the SW2 switch to side marked BELL.
- If you are using the badge terminal's Access signal, slide the SW2 switch to side marked ACCESS.

## **For mechanical dry contact relay switching use CON2:**

- Connect the device to the CON2 terminal strip using NO and COM connection points. Wires should be stripped ¼ inch.
- If you are using the badge terminal's Bell signal, slide the SW1 switch to side marked BELL.
- If you are using the badge terminal's Access signal, slide the SW1 switch to side marked ACCESS.

## **Notes:**

- 1. Existing External Card Readers can be connected to CON4**
- 2. SEE REVERSE SIDE FOR GRAPHICAL DEPICTION OF ELECTRICAL CONNECTIONS**

## **Specifications:**

Input Voltage:	120VAC/240VAC 50/60 Hz
Input Current:	2 Amps Maximum
AC Output:	120VAC/240VAC 50/60 Hz
Relay Circuit:	5A at 250AC or 30VDC
Operating Temp.	0 to 50 degrees C
Humidity:	0 to 90% RH Non Condensing
Dimensions:	8 ¾" x 6" x 2"

## **WARNING:**

Your installation must meet all National and Local electric codes. A licensed electrician should perform installation.

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