

ProCare Keyless Entry

READ FIRST – MUST INSTALL DRIVERS!

USB / Serial Adapter

Why does the Keyless Entry need an Adapter?

USB devices are limited to a cable length of 10-15 feet. The Keyless Entry uses a serial connection so your computer can be farther away from the Relay Box. Using a USB / Serial adapter allows you to connect to a USB port on your computer. If your computer has a serial port then it is not necessary to use an adapter.

Install Driver First, then Connect Adapter

You MUST install the driver BEFORE you connect the adapter to your computer.

For Windows 7: Download and install the latest driver from the USB Gear web site. Go to ProcureSupport.com and search for article # KB0250 which contains a link. Once the driver is installed continue with step 3 below.

For Windows Vista, XP, 2003 or 2000: Use the mini CD (included) and follow these steps.

1. Log on to your computer as a local Administrator and insert the USBGear mini CD.
If the CD does not start on its own then *Open “My Computer”* and *Dbl-click the CD drive* (should say “USBGear”) then *Dbl-click the file named Start* (or Start.html).
2. Under “Driver Installation” click *Windows Vista, 2003, XP, 2000 Driver*. If you have a choice between Save and Run choose Run. Installation takes just a few seconds. When it is complete you may need to tap Enter on your keyboard to close the window.
3. Plug the blue colored Adapter into a USB Port on your computer. The blue adapter should have come pre-attached to a grey colored RJ-11 Adapter (Figure 2).

Optional: If needed you may attach the silver colored USB extension cable to the blue adapter. Then plug the silver extension cable into your computer. (Figure 3).



Figure 1
USB Adapter Only

Figure 2
USB Adapter connected to
RJ-11 Adapter

Figure 3
Optional silver extension
cable connected to USB
adapter

**KEYLESS ENTRY
SYSTEM**
Before you begin...

Connecting the Keyless Entry System (KES) is not complicated; however, unless you are experienced in doing so, electrical connections should be made by a qualified technician. This unit is not intended for after hours security. A dead bolt or similar device will be needed when the building is closed.

Each KES is shipped with the following components. Verify that your box contains:

- a.) Keypad with short attached cable, cable coupler, and long (8 wire) cable with RJ45 connectors.
- b.) Relay Box
- c.) Chime (Doorbell) Kit with doorbell, transformer and two (2) manual override buttons,
- d.) Wire with RJ11 connectors e.) RJ11 to Serial Adapter f.) Serial to USB Adapter & USBgear mini CD
- g.) Procure CD and Getting Started Guide

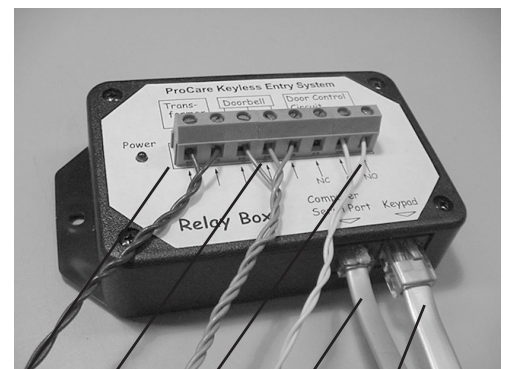
Please set up and test these components on a table top prior to mounting them in their final locations.

Mounting the components (order is not important).

- 1 Mount the keypad in the desired location. Be sure to allow a cable feed-through hole. The keypad should be in a location (indoors or out) that does not receive direct sun or rain. Attach the short cable on the keypad to the cable coupler then to the long RJ45 cable (supplied) or substitute your own straight through CAT-5 network cable.
- 2 Mount the relay box in a protected indoor location, such as the attic of the building. Again, keep in mind the RJ11 cable (provided) will need to reach from the relay box to the computer.
- 3 Mount the doorbell transformer in a protected indoor location. Make sure a standard 110V power outlet is within reach of the transformer.
- 4 Mount the doorbell in an audible, central, location.
- 5 Mount the door strike or magnetic lock unit per the manufacturer's instructions.
- 6 Mount the manual override button(s) in the desired location(s).

Making the electrical connections (If you have not already done so, TURN OFF ELECTRICITY).

- 7 Connect the long RJ45 cable coming from the keypad to the Relay Box terminal marked "Keypad."
- 8 Connect a 110V power supply to the doorbell transformer.
- 9 Using 20-2 gauge wire, connect the doorbell transformer to the relay box using the terminal marked "Transformer."
- 10 Using 20-3 gauge wire, connect the doorbell to the relay box using the terminal marked "Doorbell."
- 11 Using 20-2 gauge wire, connect the door strike and manual override buttons (if desired) to the relay box using the terminal marked "Door Control Circuit".
- 12 See previous page for details. Install driver from the USBGear mini CD. Then connect USB-Serial adapter to computer's USB port. (Serial-RJ11 adapter should already be attached).



- 13 Connect RJ11 cable to relay box terminal marked "Computer Serial Port." Attach other end of cable to RJ11 adapter at computer. See Getting Started Guide for installation of Procure CD and software use.

Product Specifications



Power required: 12-16 volts DC (or AC) @ 100ma supplied by attendant 16VAC doorbell transformer. Power is applied to terminal strip on relay box.

Door strike requires separate power supply (by user).

Keypad/Wall frame unit: Display – 2 LEDs, “Ready” (red) and “Accept” (green)
 Environment – Indoor and sheltered outdoor,
 Dimensions – length 7.4”, width 4.1”, height 2.43” (including wall frame)
 Keypad case material – black ABS
 Wall frame material – .075” black anodized aluminum
 Weight – 14.7 oz.

Relay Box: Provides interfaces to power transformer, computer, keypad, doorstrike and doorbell.
 Display – 1 LED “power” (red)
 Environment – Indoor use only.
 3 Relays rated at 10 amp. Actual current used: approx 0.1 amp.
 Dimensions – length 5.1” (incl mounting flanges), width 2.8”, height 1.6”
 Case material – black ABS
 Weight – 5.5 oz.

RS232 port: RJ11 jack. Standard modular phone type cable to PC serial port, fitted with RJ11 to DB9 serial converter and serial to USB adapter.
 Hardware handshake is continually jumper wired to “on” within the converter.
 Data rate is set to 9600bps

Wiring Diagram

