1. With board copper side up, "Japan" at bottom - drill 4 holes (1/8") as indicated.

2. Use template to mark box top, then drill holes as indicated.
3. Drill 1/8" hole on side as indicated.
4. Mount switches and LED.

Switch here

LED here

(lead leads inside to hold in place)

Top

Side

Switch here

1/8"

3/16"

1/16"
5. With board copper side down, "Japd" on back & at bottom - mount all parts as indicated.

Note: position of white dots on IC sockets.

- 16 pin DIP sockets
- 562Ω Beige body, green-blue-brown-gold stripes
- 200kΩ Beige body, red-black-yellow-gold stripes
- 105kΩ Beige body, brown-black-green-orange-brown
- 20kΩ Trimmerpot
- 8-pin DIP socket
- 1μF capacitor
- 1Ω10W
Wire as shown. THIS IS THE BOTTOM VIEW!

+9V Wiring

Viewed from copper-side of board

Viewed from inside of box
Wiring continued

This is the bottom view!

- Ground wiring

Where leads stretch through board

- Red
- Black
- Yellow
- Green

Power leads

Motor leads

Red
Red/W
Black
White
Green
Green/W

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Japan

Viewed from copper-side of board

Viewed from inside of box

On-off switch

Hole in side

LED

Up-down switch
4b. Wiring continued

THIS IS THE BOTTOM VIEW!

@=where leads strikethrough board

Red
Black
Yellow
Green

Power leads

Red
Red/W
Black
White
Green
Green/W

Motor leads

Viewed from copper-side of board

Viewed from inside of box

Logic Signal Wiring

On-off switch

Hole in side

Flat side of LED

Up-down switch

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(5) Wiring for end of power cable.

(6) Finally, insert ICs into sockets, with notches down toward large resistor.