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#### **LP4 Waiter Call System**

- The LP4 call system is ideal for use as a local, low cost system, in all types of private, residential, commercial and public sector buildings.
- Range is typically between 30m to 80m inside a building, but can be extended by using repeaters.
- The pager receiver identifies the individual transmitter that is calling (1-99) and displays its number on an LCD display.
- The transmitter can be mounted on a tabletop or fixed permanently to a wall.
- Activation of the transmitter can be via the pushbutton or any NO or NC external device such as pull cords, switches, magnetic contacts or sensors.



## Specifications

Pager :



Dimensions. L 80mm H 53mm W 20mm (30mm including belt clip)

Weight (including battery) 88.6g

Front panel logo ID label area 35mm x 28mm. Powered by 8.4V NMH rechargeable battery.

Battery compartment lock tab.

Charger jack socket.

Operates also from 9V standard alkaline battery.

Vibrate & tone alert.

Reset button.

On/Off switch.

10mm LCD digit height.

Sturdy belt clip.

Simple code learning setup.

Frequency 433.92 Mhz.

LED charging indicator.

LED flashing low battery recharge warning.

Table Desktop Transmitter :



Dimensions L 100mm H 40mm W 68mm. Weight (including battery) 131.5g

Powered by 4 x AAA 1.5V batteries.

Front panel logo ID label area 70mm x 40mm.

Transmit acknowledgement LED two options:

LED lights for three seconds or LED lights and stays lit until transmit LED reset pressed  
(selectable by jumper setting).

Transmitting frequency 433.92 Mhz.

Transmitting range 100M. Address coding by dip switch  
(1-99 selectable transmitter ID codes)

Transmitter battery low indicator LED.

Trigger input for auxiliary operation such as an alarm, switch or door contact.

**SET UP INSTRUCTIONS**

**. Connect the External Antenna to the Transmitter (on transmitter type 1)\***

The transmitter has been supplied with a small rubber duck style antenna, connect this firmly to the jack socket on the side of the transmitter.

Ensure the antenna is never removed, as this will seriously affect range.

\* Transmitter type 2 has an internal antenna

**. Adjust the back clip for leaflet or menu**

If the call system is being used in a hotel or restaurant then the back clip can be used to hold a leaflet or menu.

To tighten the clip, loosen the 2 screws on the bottom of the housing (marked A on Fig 1) by unscrewing the screws 2 turns.

Readjust the space between the transmitter housing & the wire clip by sliding the wire in/out of the housing.

After making the adjustment, tighten the screws.

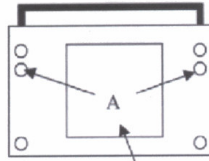


Fig 1. Battery Compartment

**. Programming the transmitter codes**

The transmitter has a 10 position dip switch inside the battery compartment for setting the User Code, the System Code and Transmitter Operation A or B. The System Code must be identical for all transmitters that are used in a particular system. The User Code identifies the number of the particular transmitter (selectable between 1-99).

Operation A or B determines whether the LED latches each time a transmission is made (unlatch using the second pushbutton) or whether the LED lights up for Just 3 seconds each time a transmission is made.

**1 Set the Transmitter User Code using switches 1 to 7**

A transmitter can be programmed to any number between 1.-99 using switches 1 to 7

A binary format is used for this programming whereby each dipswitch represents certain different number values as follows.

- Switch 1 ON = 1
- Switch 2 ON= 2:
- Switch 3 ON= 4
- Switch 4 ON =8
- Switch 5 ON =16
- Switch 6 ON =32
- Switch 7 ON =64

For example:  
 If the User Code = 1, then position 1 is ON& 2-7 are all OFF  
 If the User Code =50, then positions 6 + 5 + 2 are all ON and the rest are OFF (32 +16+2 = 50)  
 If the User Code =97, then positions 7 + 6 + 1 are all ON and the rest are OFF (64+32 + 1=97)

**2. Set the Transmitter System Code using switches 8 and 9**

System code 1 = set both switches 8 & 9 to OFF

System code 2 = set the switches 8 to OFF & 9 to ON

System code 3 = set the switches 8 to ON & 9 to OFF

System code 4 = set both switches 8 &. 9 to ON

**3. Select Transmitter Operation A or B using switch 10**

Switch 10 ON = A - Red LED will stay on after transmission

Switch 10 OFF = B - Red LED will stay on for only 3 seconds

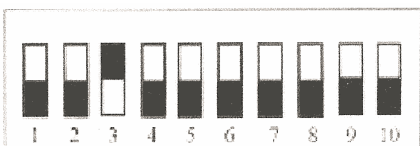


fig 2 : User Code is 4, System Code is 1. and System is set to Operation B

### **. Powering the System**

4 AAA type alkaline batteries power the transmitter. The battery compartment is accessed by sliding open the cover on the bottom of the housing. If the red LED on the front of the transmitter starts to flash slowly, it means that the batteries are low and need replacing.

Although either a rechargeable or alkaline PP3 type battery can power the pager receiver, it is strongly recommended that a rechargeable type is used. If the red LED on the top of the pager is on, it means that the battery is low and needs recharging or replacing.

A rechargeable battery and a charger are supplied for use with the pager receiver.

Do not use this charger in adverse conditions, such as extreme humidity or outside.

Do not charge the battery in the pager receiver for more than 3 hours continually as this may harm the rechargeable battery.

**Caution: Only rechargeable batteries are suitable for recharging - never charge alkaline batteries**

### **. Using the Pager Receiver**

The pager receiver is already configured to the system code of the transmitter and will both vibrate and bleep while displaying the number of the calling transmitter. There are two buttons on the side of the pager; the slide switch is the power on/off switch. To switch the pager on, slide the switch so that the pager beeps and vibrates for a second, this checks the state of the battery, switching the pager off and then on again makes the pager operative. The second switch is a pushbutton which when pressed for a brief time deletes the display and makes the pager ready to receive further signals.