

# REMOTE CONTROL

1



2



3



4



5



6



7



8



9



10



11



12



13



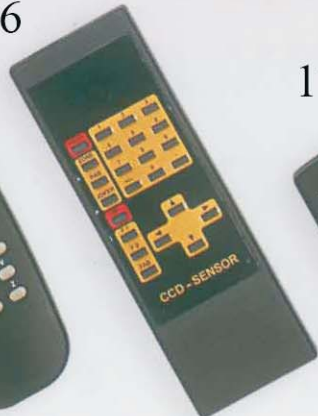
14



15



16



17



# INTRODUCTION

The various infrared-ray remote controllers manufactured by this company have, due to convenience in operation, reasonable construction, reliable actuation, elegant contour, been widely adopted in the electrical products and are suitable for colour TV receivers, audio sets, VCR, SAT/CABLE, CD/LD, DVD and so on. Our company is capable of providing products at various specifications for the choices of our customers. All customers are welcome to provide us with the parameters, demands for custom design by this company. In case you have any demand on the products, please contact us directly and we will be at your service any time.

## TECHNICAL INDICATORS:

1. Carrier Frequency: 36KHz, 38KHz, 40KHz.
2. Power Supply Voltage: DC 3V, 2.4~3.3V
3. Static Current:  $\leq 15\mu\text{A}$
4. Working Current:  $9.5 \pm 4(\text{mA})$
5. Transmitting Distance: 7~15M
6. Direction Finding Angle:  $30^\circ$  Conical Angle
7. Loading Life of Keys: 150,000 times
8. Environment Temperature:  $-20^\circ\text{C} \sim +50^\circ\text{C}$
9. Humidity: 65% $\pm$ 5%

## TECHNICAL INFORMATION

### 1. SCOPE OF APPLICATION:

These specifications apply to the remote control transmitter.

### 2. RATINGS:

- 2-1 Operating Voltage Range:  
3V DC
- 2-2 Operating Temperature Range:  
 $-10^\circ\text{C} \sim +40^\circ\text{C}$
- 2-3 Storage Temperature Range:  
 $-20^\circ\text{C} \sim +60^\circ\text{C}$

### 3. STANDARD JUDGEMENT CONDITIONS:

Unless otherwise specified, pass/fail judgements are made under the following conditions. If judgements do not pose any doubt, tests may be conducted at room temperature and normal humidity.

- 3-1 Measurement Power Supply  $0.82 \Omega$



- 3-3 Measurement Humidity: 65% $\pm$ 5%

### 4. POWER SOURCES USED:

Two size um-4 or um-3 batteries or equivalent (3.0 VDC).

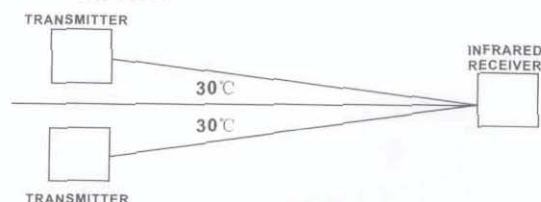
## 5. CONSTITUTION:

- 5-1 Dimensions and Shapes:  
In accordance with assembly drawing.
- 5-2 Nameplate to be designed by buyers.

## 6. TECHNICAL PERFORMANCE:

- 6-1 Oscillation Frequency: 2M, 3.58M, 4M, 429KHz, 480KHz
- 6-2 Operating Current: 36KHz, 38KHz, 40KHz( $\pm 1$  KHz)
- 6-3 Arrival Distance: 7-15M
- 6-4 Chart:

- (1) Distance from front of infrared receiver to receiving end should be set at 7M or above.
- (2) Distance at an opening angle of to the receiving end should be set at 4M or above.



## 7. STRUCTURAL PERFORMANCE:

- 7-1 External appearance.
  - 7-1-1 Finish no faults in the external appearance, set up a limit sample if necessary.
  - 7-1-2 Adhesiveness checked to make sure that the finish and printing can withstand having cellophane tape peeled off 3 times.
  - 7-1-3 Transmitter drop test  
When the transmitter unit is dropped on The lauan board(which thickness is 30mm)each time from 6 face-directions and 4 corner-lines.
    - 1)Limit which electrical characteristics are satisfied: 50cm
    - 2)Limit in which no case is broken down: 50cm