

THEORY OF OPERATION

HAND HELD TRANSCEIVER SR-9E2

WESTINGHOUSE LIGHT MANAGEMENT SYSTEMS



OVERVIEW

The Dimmable lighting system consists of mainly two parts . One is transmitter and another one is receiver section.

The receiver section consists of RF receiver cartridge, which is connected to the dimmable ballast. This cartridge has address ranging from 000 to 255. This gives an unique identity and enables RF Cartridge to be *zoned* i.e. a group of lights can be configured to have the same address (zone). This enables the light levels in a section to be set to the desired level by the user using Hand held trans receivers .

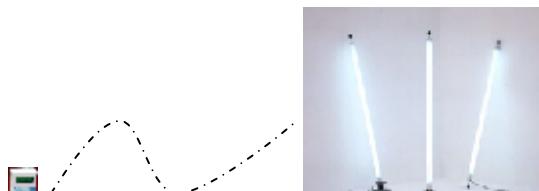
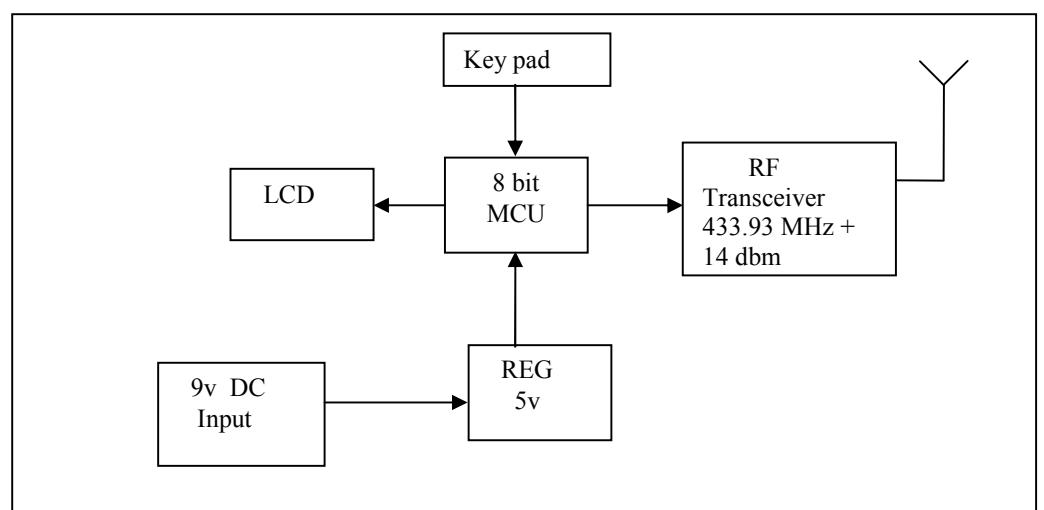
The RF transmitters enables the user to communicate with the RF receivers to set the desired light level. The levels range from 1 to 9 with **level 1** being **off** and **level 9** being **full bright**. The user selects the desired zone and the level in the transmitter to control the lights in a particular section.

INTRODUCTION

The *TWO WAY HANDHELD TRANSMITTER* is a remote based light controlling unit . The unit consists of RF transmitter. Select the zone and the level that has to be controlled by the transmitter to provide the user with the required light comfort.

User can select the zone and levels from 1 to 6 from the Hand Held transmitter to control the light intensity in the specified zone.

BLOCK DIAGRAM



Dimmable Ballast
with RF cartridge

ACCESSORY SUPPLIED

- Ac to DC Adapter 120-277Vac to 9VDC

Specifications

• Operating Voltage	:	9V DC
• Operational distance	:	100 feet Radius
• Frequency of operation	:	433.92MHz
• Light Levels	:	6

Note:

This Transmitter compatible only with the Dimmable ballast supplied by Asian Electronics Ltd or Westinghouse Light management System