

## Municipal Park Management Keytag Receiver Unit - Installation Guide

### Overview

The Cloudmaster floodlight control system allows sporting clubs to turn floodlights on and off themselves within time windows setup by the facility manager from a central PC. All billing for each club is then automatically generated at the central PC for lighting time actually used.

### Mounting

The keytag receiver unit will operate through any non-metallic material such as brick, timber, fiberglass or plastic. Mounting inside a shed or amenities block is ideal. The operating range of the unit is about 4 to 5 metres although this may be reduced by steel reinforcement bar/blue metal in concrete, or bricks with high iron content. A position should be chosen as close as is practical to the person operating their keytag.

The unit can be mounted in any orientation and should be kept as far from electrical wiring as possible. Prize the lid off with a small screwdriver under the lip on the units' left hand side. Two holes are provided for mounting. The PCB can be temporarily unplugged to avoid damage whilst mounting. If mounting on a flat surface the plastic can be trimmed with a pair of side cutters to make the cable entry hole a slot.

### Electrical Connection

The two metre cable supplied can be trimmed to length or any shielded, four conductor cable can be used. Connections and suggested color code are as follows:

<u>Cloudmaster Terminal</u>	<u>Keytag Reader</u>	<u>Cable Conductor</u>
12V (or 'Spare' on older units)	12V	Red
Immediately left of 12V	GND	Green
Slave +	SLV+	Yellow
Slave -	SLV-	Blue
Immediately left of Spare	Not Connected	Braid/Shield

For lengths over 30 metres or if problems occur during operation the keytag receiver unit can be powered from a regulated 12V DC plug pack located close to the unit. Under these circumstances only the SLV+ and SLV- wires need to be brought back to the Cloudmaster unit.

When replacing the cover ensure the light is left protruding through the hole.

### Indicator Light

The red light blinks off every time the Cloudmaster polls or 'talks' to the unit. If the led is on steady then this usually means the Cloudmaster has not been told that the reader is connected. Run Operation 42 to connect the reader (see manual for details). The red light blinks fast for 5 seconds when a keytag is detected. Operation 89 can then be run at the Cloudmaster to confirm the keytag was read correctly.