C L O U D M A S T E R
IRRIGATION CONTROL SYSTEM

Jeffery Electronics

Municipal Park Management
Floodlight Control – SMS Users Guide

Cloudmaster is a municipal park management system which gives a council control of all irrigation, floodlighting, security lighting, hot water systems etc. at all parks and reserves in their municipality.

'Time windows' for each club are set up by the Council from a central PC, specifying time of day, day of week etc. Within these time windows the club can turn on and off the floodlights by sending an SMS message (or using uniquely encoded keyring transmitters issued to them by the Council). Floodlight usage information is logged and transferred to a central PC, which generates an account for each club detailing actual time used.

The result is a much fairer user-pays system for the club. It also eliminates many problems, such as floodlights left burning all night or on unused playing fields, lost keys to switch boxes, vandalised coin-operated machines and switch gear, and wasted man hours for invoice preparation and visits to the site to change timers etc.

Minimum warm up/cool down periods of typically 15 minutes can be set up on the floodlight channels. After the lights have been turned on/off then they cannot be turned off/on until the minimum warm up/cool down period has elapsed. This prevents quick power cycling and maximises the life of discharge type floodlamps.

If two clubs have back-to-back time windows, usually the lights would turn off for the minimum cooldown period at the end of the first booking. If the second club wants to use the lights immediately they can prevent this happening by operating their keytag in the 30 minutes leading up to their time window. At the changeover time the billing will transfer to the second club, but the lights will remain on.

To control the lights by SMS, the word **CLUBPIN**, then a single space, your pin number, another single space and then the word **ON** or **OFF** to the phone number advised by the Council. Example: **CLUBPIN 1234 ON** or **CLUBPIN 1234 OFF**. The command is not case sensitive. If you program the text into the outbox of your phone you will not need to memorise it. Note also, for security the Council can restrict access so the command can only be sent by certain mobile phones nominated by the club.

Assuming the lights are not in the minimum cool down/warm up periods and the present time is within the time window for the particular keytag (and the floodlights have not been disabled by the Council) the lights will turn on or off immediately. If not turned off beforehand by the club, the lights will turn off automatically at the end of the time window. If the lights do not turn on and the Council has enabled the advisory SMS facility you may receive a response SMS as follows:

- The PIN number you entered is invalid.
- You do not have access at this time or on this day of the week.
- The Park facility is currently closed.
- Your phone is not authorised for this operation.
- Lights are in cool down or warm up period. Try in 10 minutes.
- PIN accepted. The lights will remain on (or turn on shortly).

For further information please contact your Council.