

Municipal Park Management Facility Central PC Communications

Overview

The Cloudmaster unit enables Councils to control and monitor irrigation, floodlighting, hot water systems, barbecues etc. at all remote parks scattered around the municipality. The recommended communications medium for linking a central PC to the Cloudmaster units in the field is via the Telstra CDMA cellular network.

The CDMA Cellular network

Advantages:

1. Floodlight control by clubs or irrigation control by staff via SMS from any mobile phone
2. Antennas are much smaller and can be indoors - reduced vandalism and cost
3. Can communicate at any time during the day
4. Easy to set up and install. Ideal for Cloudmaster trial.
5. Central PC uses standard modem and can operate through a PABX line
6. Ability to dial in to a park from any location
7. Real time SMS alarm messages (wiring or hydraulic faults etc.) to any mobile phone
8. CDMA access costs compare very favourably to landline rental costs
9. Medium purchase cost approx. \$900

CDMA network coverage is required at the park and mobile phone charges will apply each time the PC dials the park. Under normal operating conditions the PC only needs to communicate with the remote park when changes are made or to retrieve the history log. This polling can be configured to occur from once a minute to every thirty days.

Other Communications Options

These include:

1. Council's existing radio (voice) channel
2. Dedicated radio telemetry channel
3. Telephone landlines
4. LAN, internet and satellite
5. Optical fibre modems

Contact Jeffery Electronics for further information on any of the above options. Note also, that not all remote parks need to be connected via the same communications type. The windows based central PC software can support a combination of these options in the one network.