



## Floodlight control and facility monitoring system

### Description

Halytech **illuminator** is an Australian control and monitoring system designed specifically for sports fields, parks and other public places.

It can easily be added to existing installations to provide sophisticated control of floodlights and sprinklers and to monitor and report system failures, intruders etc.

Field users are issued with unique PINs that enable them to control the lights directly. Lights can be activated remotely by sending SMS text messages from mobile phones or locally through a numeric keypad. Changes in schedules due to weather, time extensions and other unforeseen events are handled by the users themselves, requiring no facility administrator involvement.

**illuminator** records every command, identifying the user that issued it. Recorded data is used to prepare billing information and usage reports accurate to one second. Reports can be automatically e-mailed once a day.

Each **illuminator** has a built-in web server. Administrators can use any computer to remotely access an **illuminator**. No special software is required. By using the familiar "web-browsing" approach, administrators can:

- Manually control all lights, sprinklers etc.
- Manage users and their PINs
- Retrieve stored data

In addition to controlling lights and other devices, Halytech **illuminator** is able to monitor a variety of sensors including intrusion detectors, power meters, water level indicators etc. Abnormal sensor readings will trigger alarms, sending SMS messages to responsible parties.

### Typical Applications

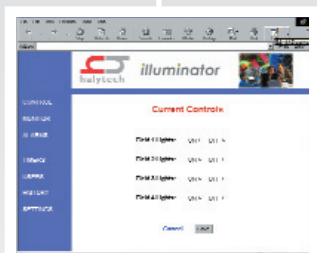
- Sport Fields
- Parks
- Tennis Courts
- Community Halls
- Clubhouses
- Public Toilets



Complete system



Send SMS to turn lights ON and OFF



Access with any PC from anywhere

# Specifications

## Benefits

### Facility Administrators

- Full remote control of all functions
- Remote access with any PC
- No intervention required due to schedule changes
- Reduced wastage - lights don't come on until activated by the user
- Improved accountability - full log of all activity
- Reduced cost and response time - new users can be given access in a matter of minutes
- Improved efficiency - PINs can be notified by phone, no need to send physical items such as keys, access cards etc.
- Improved security - change PINs as often as desired
- Improved vandal and damage control - use alarms to notify break-ins, flooding etc.
- Simple installation and setup
- Designed and manufactured in Australia - readily available local support

### Users

- Reduced cost - pay only for actual usage
- Increased convenience - no need to inform anyone of game cancellations or time extensions
- Increased convenience - turn on the lights while driving to the field, the lights are warmed up and ready on arrival
- Increased convenience - use your own mobile phone, no need to search for light switches etc. in the dark
- Increased convenience - No mobile phone? - Enter the same PIN using the keypad
- Increased convenience and security - no keys or access cards to lose or forget

### General

Dimensions (approx)	110(W) x 200(H) x 85(D) mm
Weight (approx)	800g
Operating Temperature	0 - 50 C

### Power Supply

Input Supply Voltage	Nominal 12V DC
Input Current	less than 120 mA

### Sensor Inputs

Total number of inputs	8
Input types <sup>1</sup>	Digital, voltage free switch contact Digital, voltage sense Analogue, 4 - 20 mA Analogue, 0 - 10V

### Device Controls

Number of controls	8
Number of timers	8 (1 per control)
Type	Normally open relay contacts
Contact Rating	1A 30VDC resistive
Activation	with browser, SMS reception, timer, alarm activation

### Alarms

Number of alarms	8
Type	SMS transmission and/or control activation

### Data Recorder

Capacity	10,000 records
Time Resolution	1 second
Download format	CSV - compatible with all spreadsheet programs

### Communication Interfaces

Ethernet	10 base-T, RJ-45 connector
Cellular phone module	Built-in NextG or GSM (as required) External antenna
Keypad Input	RS-232C

### Keypad

Type	12 keys
Power Supply	Supplied by Illuminator

All specifications are subject to change without notice.