



# Data Sheets



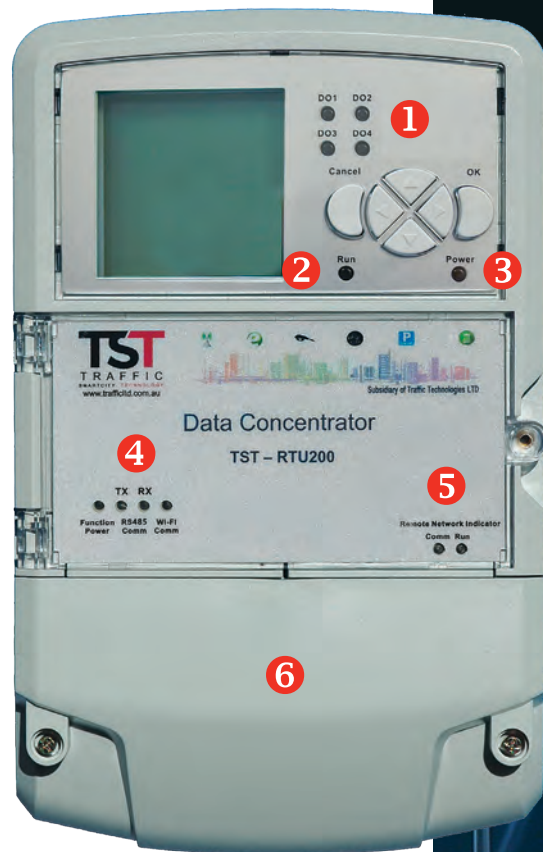
Concentrator Series RTU200Z  
Wireless Lamp Controller LCU200

# Concentrator

## Series RTU200Z

### Features

- **Remote Monitoring**
  - . Longitude
  - . Latitude
  - . Light
  - . Time
- **Alarm**
  - . +/- Current x 3
  - . +/- Voltage x 3
  - . Cabinet door open
  - . Power On/Off
  - . Leakage
  - . Theft
  - . AC Contactor Status
  - . Circuit Breaker Failure
  - . Auto/Manual Status Detection
  - . Phase Failure Detection
  - . Water Levels
- **Built-in Power Meter**
- **Firmware Upgrading Local/Remotely**
- **Backup Battery: 8 Hours**



### Indicators

- |                      |                                     |
|----------------------|-------------------------------------|
| 1. DO Lights         | 4. Downlink Communication Indicator |
| 2. Power Indicator   | 5. Uplink Communication Indicator   |
| 3. Running Indicator | 6. Connection Ports                 |

## Technical Specifications

Parameters	Model: RTU 200Z
Power Supply	AC96 – 500, 50 – 60Hz
Power Consumption	2–5 Watts
Uplink Communication	GPRS/3G/4G/Ethernet
Downlink Communication	Zigbee, 920MHz
Interfaces	DO x 4 DI (AC) x 2 DI (DC) x 6 RS485 x 2 USB x 2 Ethernet port x 1 Battery charging x 1 Voltage detection x 3 Current detection x 3 DC output x 1 Leakage detection x 1
Working temperature	–40°C to 85°C
Relative humidity	5% to 95%
Ingress protection	IP54
Dimensions (L*W*H)	288 * 177 * 95mm
Weight	2.08kg



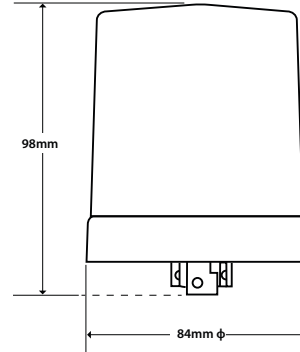
# iCell

## Wireless Lamp Controller LCU200

Intelligent Street Lighting reduces energy costs up to 35% through intelligent on/off switching, targeted progressive dimming and efficient management of the consumption.

### Product Description

- Zigbee communication, auto-Mesh
- Standard 5 lines NEMA interface for easy installation
- Remote switch on/off, maximum internal 16A relay outputs
- Dimming interface: 0-10V (PWM can be customized)
- Remote reading functions current, voltage, power, power factor, electric energy
- LED lamp failure detection function
- Fault reporting functions
- Lightning protection function
- Off-line task function
- IP65



### Available Options

- Built-in GPS
- Built-in photocell
- Built-in tilt sensor

### Application

- Single Lamp, LED Drive Power
- Tunnel Lighting, Street Lighting, Landscape Lighting



## Technical Specifications

Parameter	Value	
<b>RELAY PARAMETER</b>		
		1 Route, 250V/16A
AC Input Parameter	Voltage Range	96V - 264VAC
	Frequency Range	50 - 60Hz
	Current Range	0 - 2A
	Static Power Consumption	<2W
AC Output Parameter	Voltage Range	AC Input Voltage
	Frequency Range	50 - 60Hz
	Current Range	0 - 2A
	Maximum Load Power	≤500W
<b>DATA READ INSTRUCTIONS</b>		
Voltage Detection Range	96V - 264V AC	
Current Detection Range	0 - 2A	
Data Detection Accuracy	≤3%	
Active Statistics	Yes	
Power Factor Calculated	Yes	
Energy Statistics	Power Accumulated Daily	
<b>DIMMING MODE</b>		
Dimming Mode	PWM (can be customized)	Analog Voltage
Output Parameters	5V, 400Hz	0 - 10V/10mA
Explanation	Preset 100% Dimming of PWM = 1 or PWM = 0	Preset 100% Dimming for 10V, or 0V Output
<b>OTHER FUNCTIONS</b>		
Fault Information Reporting	Initiative and Enquiry Report	
Lamp Failure Information	Lamp Failure	
<b>COMMUNICATION PERFORMANCE</b>		
Communication Mode	RF	
Route Pattern	MESH	
Communication Distance	200M (Visual Range)	
Frequency	915MHz	
Frequency Range	902MHz - 928MHz	
Frequency Channel Quantity	10 Channels	
Communication Rate	250Kbps	
<b>BASIC OPERATING ENVIRONMENT</b>		
Temperature	-40°C +85°C	
Relative Humidity	<95%	
IP Rating	IP65	
Dimensions	Diameter 84mm, Height 98mm	
Weight	242g	
<b>OTHER OPTIONS AVAILABLE</b>		
Built-in GPS		
Built-in photocell		
Built-in tilt sensor		



## TST

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