

FEATURES & SPECIFICATIONS

- 4G/3G module built-in ensures **maximum coverage across** Australia and Asia.
- **Easy configuration**, simple SMS and text commands via serial port.
- **SMS alarms** from contacts or digital inputs.
- **Relay output** controlled via simple SMS commands.
- Optional power failure alerts (backup battery version).
- SMS alarms from waterproof temperature sensor.
- SMS alarm allows up to **16 recipients per group**, with 4 groups.
- Ability to set a different recipient group for each input.
- Ideal for multiple shifts, or ground staff & management.
- Secure - only responds to SMS from pre-set phone numbers when security is enabled.
- **Low power** consumption, suitable for solar/battery applications.
- **Customised** SMS alarm messages for on & off inputs, high/low/ok temperature.
- Temperature alarms with alarm delay (avoids false alarms from fridge door opening).

CYCON-1280-4G SMART CONTROLLER 4G

OVERVIEW

CYCON IS A SELF CONTAINED, LOW POWER CONSUMING SMS CONTROLLER FOR MONITORING REMOTE MACHINERY AND ASSETS. DESIGNED FOR SIMPLE SET UP, ALL IT REQUIRES IS WIRING UP, SIM CARD INSERTION AND COMMANDS VIA SMS.

- Intelligent, self contained controller module with inbuilt 4G & 3G connectivity.
- Relay output allows remote equipment to be controlled via SMS.
- Provides automatic SMS alerts to multiple groups of up to 16 recipients, based on 7 digital or dry contact inputs.
- Optional external temperature sensor.
- Optional built in backup battery.
- Rugged design with wide temperature operation, ideal for a range of industrial applications.
- Australian Designed & Supported – 3 Year Warranty*



INDUSTRIAL APPLICATIONS

- Tank level monitoring and pump control via SMS.
- Irrigation system alerts.
- Fire alarm or security system alerts.
- Temperature alarms for cool rooms, with the optional waterproof stainless temperature probe.
- Equipment room temperature alerts, with power failure alerts powered by optional backup battery.
- Wind speed alerts.

SPECIFICATIONS



3G/4G Support | LTE/HSPA+ (SMS)

4G: B1, B3, B5, B8, B28

3G: B1(2100), B5(850), B8(900)

Inputs & Outputs | 7 Digital inputs (for dry contacts or digital signals), 0-24VDC support. Low signal < 4VDC or open circuit. High signal > 7VDC.

- 1x NO/NC Relay Output: Maximum 60VDC / 125V AC, 1A, 30W
- Optional Temperature Probe: Range -55 to +125°C, Accuracy ±0.5°C (-10°C to +85°C)

PC interface | RS-232 Serial port for optional configuration (not required if configured via SMS)

PC operating system | Any OS that can run a serial terminal program, e.g. Windows XP, 7, 8.1, 10, Linux, Mac OS

Antenna connector | SMA Female

Power supply | 7-32V DC, 15mA idle / 80mA during SMS messaging / 400mA max with battery charging (all measured with 12VDC)

Operating temp | -25 to 80°C

Dimensions | 132 x 85 x 30 mm (including mounting flanges, excluding connectors)

Approvals | RCM (Australia), AS/NZS 60950.1.2011 (safety & emissions - Australia)

Ordering Information

CYCON-1280-4G – Basic Kit (no battery)

CYCON-1280-4G-BB – Kit with built-in battery

CYCON-1280-4G-DC – Kit for DC powered use

CYCON-1280-4G-DC-BB – DC Kit with battery

CYCON-TEMP-EXT – External Temp Sensor



CyberVisuell is a leading global solution provider of industrial technology, designing products specifically built for systems and applications that require excellent performance, high-level reliability and stability, and long lifecycles.

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