

# CYCON-1280-3G Smart Controller 3G

The CYCON-1280-3G is an intelligent, self contained controller module with 3G & 2G connectivity built in. It provides SMS alerts from 7 digital or contact inputs, plus an optional external temperature sensor. SMS can be sent to selected groups of up to 16 recipients. The rugged design with integrated backup battery, and wide temperature operation, makes it suitable for many industrial applications.



Typical applications include:

- Tank level monitoring and pump control via SMS
- SMS alerts for equipment rooms – plus power failure alerts powered by the optional backup battery
- Temperature alarms for cool rooms, with the optional waterproof stainless temperature probe
- SMS alerts from security or fire alarm systems
- Wind speed alerts via SMS

Key features:

- Easy configuration via simple SMS commands (also supports text commands via serial port)
- SMS Alarms from contacts or digital inputs
- Optional power failure alerts (backup battery version only)
- SMS Alarms from external waterproof temperature sensor
- Temperature high, low, OK alarms with alarm delay (avoids alarms from cold room door opening)
- SMS Alarm allows up to 16 recipients per group, with 4 groups
- Customised SMS alarm messages for on & off inputs, high/low/ok temperature
- Set a different recipient group for each input – great for multiple shifts, or ground staff & management
- Security - only responds to SMS from pre-set phone numbers when security enabled
- Low power consumption makes it suitable for solar/battery applications
- Supports 7-32V power, with vehicle ignition connection
- Penta-band 3G module built-in ensures worldwide coverage

## Specifications

2G / 3G Support	UMTS/HSPA/EDGE/GSM/GPRS (data & SMS) 800/850/900/1900/2100MHz
Inputs and Outputs	7 Digital Inputs (for Dry Contacts or Digital Signals), 0-24VDC support. Low signal should be less than 4VDC or open circuit. High signal should be greater than 7VDC. 1x NO/NC Relay Output: Max voltage 60VDC / 125V AC, max current 1A, max power 30W 1x Temperature Sensor input for DS18B20 temperature probe: Range -55 to +125°C, Accuracy ±0.5°C between -10°C and +85°C
PC Interface	RS-232 Serial port for configuration only (PC not required if configuring 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, 55mA during operation / 0.5mA sleep
Operating Temp	-25 to 80°C
Dimensions	108.5 x 84.5 x 30 mm (excludes mounting flanges)
Approvals	A-tick, C-tick (Australia), AS/NZS 60950.1.2011 (safety & emissions - Australia)