CYCON-1280-3G Smart Controller 3G

The CYCON-1280-3G is an intelligent, self contained controller module with 3G connectivity built in. It provides intelligent SMS alerts to multiple groups of up to 16 recipients, based on 7 digital or dry contact inputs. Its rugged design with integrated backup battery and wide temperature operation makes it suitable for many industrial applications.

Typical applications include:

- SMS alerts for equipment rooms – with power failure alerts powered by the optional backup battery
- Pump monitoring and control via SMS
- Tank level monitoring
- Irrigation system alerts

Several key features make the CYCON-1280-3G an ideal choice:

- Easy configuration via SMS commands or text commands via serial port
- SMS Alarms from dry contacts, and power failure alerts
- Expandable to connect to other I/O devices such as ADAM modules
- SMS Alarm allows up to 16 recipients per group, with 5 groups
- Customised SMS alarm messages for on & off
- Each input can be configured to alert a different recipient group
- Rechargeable Backup Battery allows alarms to be sent even in an extended power outage
- Low power consumption makes it suitable for solar/battery applications
- Penta-band 3G module built-in ensures worldwide coverage
- Supports 7-32V power, with vehicle ignition connection

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) 1x NO/NC Relay Output 1x 1-wire interface for external temp sensors or other 1-wire devices (shared with Digital Input no. 8)
PC Interface	RS-232 Serial port (compatible with standard USB-Serial converters)
PC Operating System support (terminal software)	Windows XP, 7, 8.1, 10
Antenna connector	SMA Female
Power Supply	7-32V DC, 55mA during operation / 0.5mA sleep
Operating Temperature	-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)