Features

- SMS Text Alarm Unit
- Data logger with 1 min 24 hour log interval
- Logged data automatically sent to your mobile or web server
- 4 inputs, for digital state, pulse counting or temperature (-55 to +125°C).
- 4 analogue inputs 4-20mA, 0-10vDC
- Power supply 9 18v DC
- Rechargeable battery
- Internal solar regulator allows direct connection to a solar panel for long term operation
- Sends daily/weekly status message
- Sends alarm SMS messages to up to 10 mobile numbers
- Low battery alarm



Logging and alarm for:

- Server room temperature
- Cold stores and freezers
- Refrigerated vehicles
- Pharmaceutical storage
- Water meter remote logging
- Electricity meter remote logging
- PV systems KWH & solar radiation



SIM:	Externally accessible via tray.					
Antenna	Quad-band GSM stub via SMA connector.					
Inputs	4 inputs programmable for temperature, digital state or pulse inputs 4 selectable inputs 0 to 50mV, 100mV, 200mV, 500mV, 1V 2V, 5V, 10V)					
Temperature Input	Dallas digital temperature sensor range . 55 to +125°C. resolution 0.2°C, accuracy 0.5°C, cable length to suit					
Digital Input	Open collector digital state for dry contacts or 0-5v signals					
Pulse Input	Pulse counter input, for relay, reed switch or TTL level pulses, pulse width 50-250mV, max 5Hz, totalising or reseting counter.					
Analogue Input	0-10vDC input with 12 bit resolution.					
Battery Type Internal	Rechargeable lithium-ion					
External supply	9 . 18vDC or direct from a solar panel					
Current from 12 volt supply	Low power mode ~4mA #Always Onqmode ~30mA average					



Programming:

Programmed by text message from any one of the mobiles whose number is stored within the system. Optional PC program adapter for use by installer. The system only accepts system commands including programming commands from mobile phones whose number is stored within the system.

Capacities:

Mobile Phone Numbers:

The system stores up to 10 mobile phone numbers. Each of the mobile numbers stored within the system will receive the alarm text messages. The mobile number stored in memory location 1, will receive the daily health message.

Logger message format:

Unit _ID	Date_Time	Log Interval (minutes)	No Channels Logged	Val 1	Val2	Val3	Val4	Val5	Val6	Val7	Val8	Val24
DD8923	2410141530	030	2	238	057	237	059	236	058	235	057	055

Instrument with unit ID DD8923 sends an SMS message on the 24/10/14 at 15:30, logging 2 temperature channels, one ambient, one cold store with readings of around 23.7 degrees and 5.7 degrees respectively. Unit send 24 readings which represents 12 hours of data. Actual text message: DD8923,2410141530,030,2,238,057,237,059,236,058,235,057, õ õ ...055

Typical alarm and status message formats:

Alarm Type	Message Text	Alarm Type	Message Text		
High temperature alarm	high (28.1) at Perth server room	Battery health status	Battery OK at Perth server room		
Temp back within range	normal (24.9) at Perth server room	External power status	External power restored at Perth		

General programming commands

.M01<moble number> programs mobile number position 1 .M10<moble number> programs mobile number position 10 .M11<mobile number> mobile number for daily message

programs mobile number to send data to the web server .M14<moble number> -

.Mxx removes the mobile number from the unit

.L<text> programs the unit with the location name for text messages

program the daily message text .G<text> -.E<DDMMYYhhmm> sets the daily message time sets the unit ID (must be an integer) .U<text> turns off the SMS message counter .cz

.E<DDMMYYhhmm> Sets the clock time

.T3<hhmm> sets the time of day for the daily heath message

Channel Setup Commands

set ch1 for temperature input with high low and normal text messages .lxT<text >#<text>#<text> -.Jx<low temp>#<high temp>#<hyst> set the low and high temperature thresholds with hysteresis

.Rx set the input channel as a resetting counter set the input channel as a totalising counter .Lx

set the input channel for a normally closed contact (text is included in notification SMS on .lxC<text>

change of state)

.lxO<text> set the input channel for a normally open contact

.TL<log rate>#<wake interval><y/n> programs the sample rate interval for data logging, the unit wake time, and tells the unit to send logged data at the time set for the daily health message. Example .TL15#60#Y sets the

unit to log every 15 minutes, wake up and sample the input channels every 60 seconds and activates the option to send logged data once per day at the daily health message time (.T3)

Status commands:

General status request .M? List the mobile numbers .N? Display power mode Display inputs and configuration text .l? .V? Serial number and firmware version

.L? Display location name .J? Display alarm settings



General programming commands

.M01<moble number> - programs mobile number position 1
.M10<moble number> - programs mobile number position 10
.M11<mobile number> mobile number for daily message

.M14<mobile number> - programs mobile number to send data to the web server

.Mxx removes the mobile number from the unit

.L<text> - programs the unit with the location name for text messages

.G<text> - program the daily message text .E<DDMMYYhhmm> sets the daily message time

.U<text> - sets the unit ID (must be an integer)
.cz turns off the SMS message counter

.E<DDMMYYhhmm> Sets the clock time

.T3<hhmm> sets the time of day for the daily heath message

Channel Setup Commands

.lxT<text >#<text>- set channel1 for temperature input with high low and normal text

messages

.Jx<low temp>#<high temp>#<hyst> set the low and high temperature thresholds with hysteresis

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per day at the daily health message time (.T3)

Status commands:

.S? General status request
.M? List the mobile numbers
.N? Display power mode

.l? Display inputs and configuration text .V? Serial number and firmware version

.L? Display location name .J? Display alarm settings

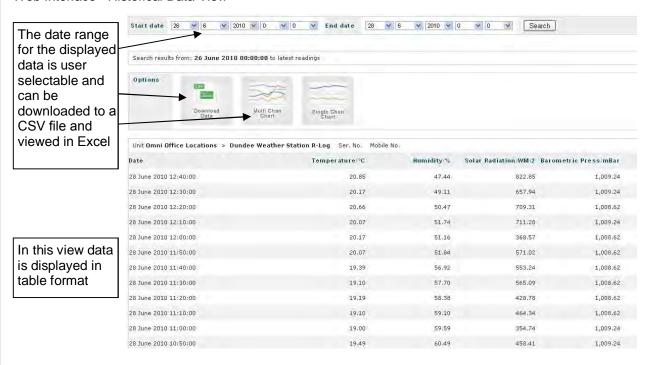


Data from the OmniText-AD4 can also be viewed on a web browser in chart and table format, and downloaded as a CSV file. Each organisation is assigned a unique username and password allowing them to see only their OmniText-AD4 units. The browser interface is very simple to implement and is available at a small monthly cost per unit to OmniText-AD4 users.

Web Interface - Map View

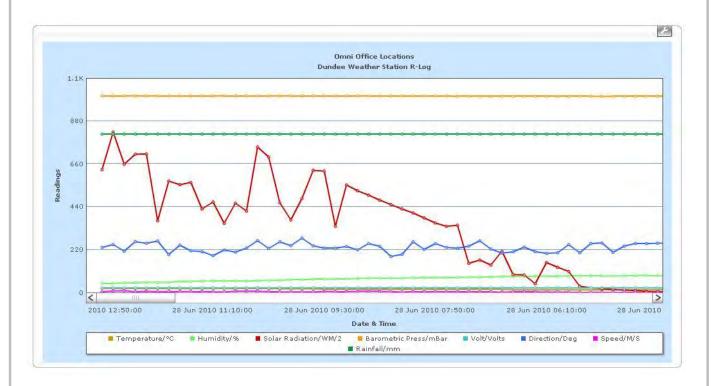


Web Interface - Historical Data View





Web Interface - Chart View



Each chart can be edited for size, number of data points shown, date range etc. Charts can be printed or exports as .jpg images or .pdf documents

The latest readings display provides a simple control panel which give an at a glance view of the latest readings of individual or groups of remote units.

Values which are in an alarm condition are displayed with a red background.

In admin mode alarm levels, scaling and labels can be edited via the settings (spanner) icon.

