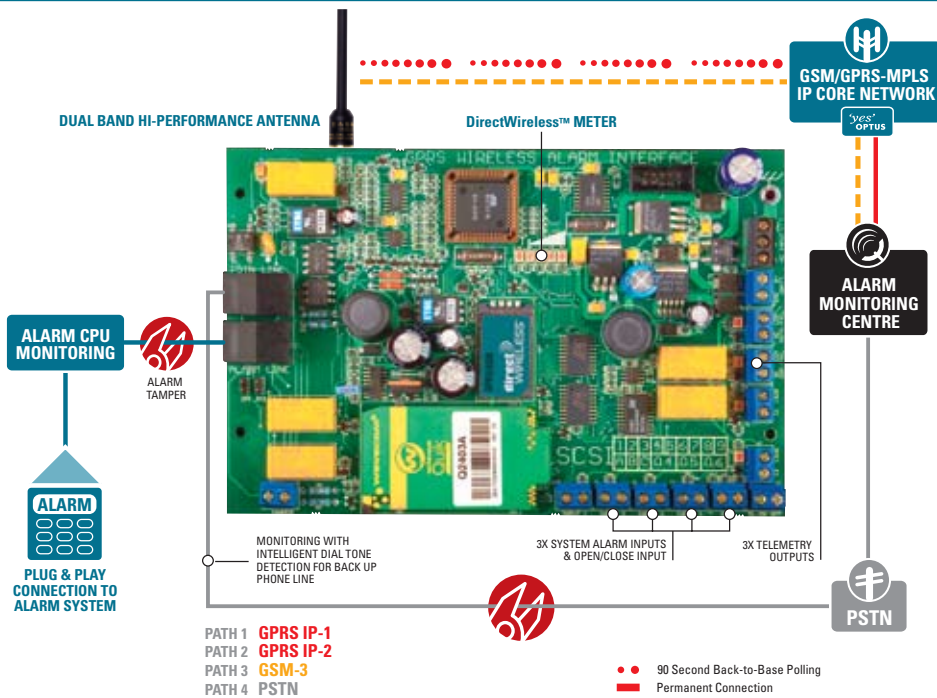


# DW-DTU4

DirectWireless Data Terminal Unit  
Alarm Transmission System



## DTU4 Features

- 4 Alarm reporting paths from alarm system.
- 4 Alarm reporting paths into Monitoring Station
- Monitors PSTN for voltage and dial-tone.
- Monitors AC and Low Battery.
- 3 Alarm inputs.
- Open/Close input.
- Tamper input.
- CPU Monitor input.
- Dialler DTMF input.
- 16vac input.
- 13.8VDC Backup battery output.
- 3 x Controllable outputs.
- 3 DB Dual band antenna.
- Dual band 900/1800 GSM/GPRS modem.
- Communicates all events in standard Ademco CID format.
- Plug & Play installation
- Remote Installer SMS Control:-
  - Request CSQ Signal Strength
  - Switch to PSTN mode (Downloading)
  - Switch to GSM mode (Testing)
  - Auto Switch back to GPRS mode.

**A low cost solution for high security Alarm Monitoring Applications... Ideal for Securitel Change overs, upgrades or New Installations**

## System Overview

The DirectWireless™ DTU4 is one of today's most sophisticated and reliable monitoring solutions utilising leading edge GPRS technology for protecting premises with or without phone lines. As more and more households and businesses switch to VOIP telephony, or eliminate phone lines altogether, the DTU4 allows those with security monitoring to remain "permanently" connected without the need to maintain a PSTN landline simply as a link to the alarm system.

The DTU4 is the smart choice to install with your new security system and furthermore the DTU4's compatibility with most alarm systems makes it an ideal add-on for systems installed days, months or even years ago. The DTU4 is also the ideal replacement for the outdated Securitel service.

In many cases, adding the DTU4 will only require a qualified alarm technician to connect the DTU4 to your existing security system. In conjunction with your authorised Security Monitoring provider, a dedicated DirectWireless™ team provides ongoing assistance and support. Since the service is wireless, activations are normally processed within 24 hours making the full service available at very short notice.

## Powerful Alarm Monitoring Features

- Up to four Alarm reporting paths; GPRS-IP1 + GPRS-IP2 + GSM-3 + PSTN-4
- Remote 'Acknowledgment' of all dialler alarm events from CMS
- 60s, 120s, 1hr or 4hr point-to-point supervision from end-user to Monitoring Station
- Lighting fast Alarm transmission time = 250 milliseconds
- Complies with Australian Standards AS/NZS 2201.5:2007.

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CATEGORY	TRANSMISSION DELAY	FAULT SUPERVISION	NETWORK AVAILABILITY
2	90 seconds	25 hours	98%
3	60 seconds	120 seconds	99%
4	30 seconds	60 seconds	99.7%
<b>DirectWireless™</b>	250 milliseconds	60s, 120s, 1hr or 4hr	99.95%

## Outstanding Features

- **Remote "Kiss-off"** of alarm signals from the monitoring station receiver to the alarm control panel. (avoids dangers of control & manipulation of alarm signals by "store & forward" devices)
- **60s, 120s, 1hr or 4hr Supervision**  
Point-to-point polling supervision from the monitored premises to the monitoring station. (not polled to or through a 3rd party)
- **Up to 4 alarm reporting paths** from the monitored premises to the monitoring station. GPRS-IP1 + GPRS-IP2 + GSM-3 + PSTN-4
- **Dedicated** duplicated redundant and fully managed Private IP network for alarm monitoring only. (No public access, does not rely on mobile phone, Internet or a DSL connection)
- **Exceeds Category 2R2, 3R2 or 4R2 service** as per Australian Standards AS/NZ2201.5-2007
- **Fixed monthly running cost**
- **Designed and manufactured in Australia to ISO 9001.**

## Alarm Monitoring Plans to Suit Your Level of Risk

### DW-C2M4

Exceeds Category 2R2 Alarm Monitoring Service;

- 4 hour supervision back to CMS
- No Alarm event limit

### DW-C2M1

Exceeds Category 2R2 Alarm Monitoring Service;

- 1 hour supervision back to CMS
- No Alarm event limit

### DW-C3M

Exceeds Category 3R2 Alarm Monitoring Service;

- 120s supervision back to CMS
- No Alarm event limit

### DW-C3M+GSM

Exceeds Category 3R2 Alarm Monitoring Service;

- 120s supervision back to CMS
- No Alarm event limit
- plus GSM backup

### DW-C4M+GSM (When DW-SAM used)

Exceeds Category 4R2 Alarm Monitoring Service;

- 60s supervision back to CMS
- No Alarm event limit
- plus GSM backup.

**DirectWireless™ Network** utilises the OPTUS GPRS/GSM and MPLS-OPI core data network and is a 'dedicated' 'duplicated' fully managed PRIVATE IP network for alarm monitoring only. There are two GPRS registration servers hosted at Optus EXPAN Grade 1 Data Centres providing redundant primary and secondary communications. There are two dedicated 'always on' GPRS Gateways located in the Monitoring Station and also an optional third GSM path providing a DTMF gateway as a back up.

## DirectWireless Alarm Monitoring Network

**The installation of an alarm system is a fundamental investment in protecting property, plant and possessions. But how valuable is the alarm if nobody's around to hear it – or worse still the phone lines are sabotaged/cut and your monitoring service provider doesn't know about it?**

DirectWireless™ delivers high grade wireless alarm monitoring to over 96% of the Australian population and is the perfect choice for high risk sites as well as a low cost, ready made option for most new or existing alarm systems that rely on traditional PSTN phone lines for communications. DirectWireless™ does not have any of the inherent pitfalls that the outdated PSTN network has, such as the very high risk of phone line sabotage prior to Burglary. And don't worry about the rising cost of special dedicated or supervised PSTN landlines for your security system. DirectWireless™ replaces this outdated expensive approach by providing the most secure wireless IP alarm transmission system available with running costs comparable to most PSTN dialler alarm systems. By connecting your alarms to one of the many authorized DirectWireless™ central monitoring stations, you can turn your investment into a far more effective security system. DirectWireless™ is designed to exceed AS/NZS 2201.5-2007 Category 2R2,3R2 and 4R2 alarm transmission systems, and interfaces to any standard alarm control panel, the product is perfect for any installation and provides a high level of GPRS wireless security with GSM and PSTN back-up paths.

### 'Always On' alarm monitoring

DirectWireless™ is a dedicated, GPRS wireless communications solution for alarm monitoring only. It reports all alarm, operational status, and event messages reliably, securely, and instantly to your alarm monitoring service provider any time and any place an alarm event occurs. DirectWireless™ not only permanently connects your alarm to your monitoring service provider, but also regularly checks and tests the status of your alarm interface every 60 seconds, 120 seconds, 1 hour or 4 hours depending on the service plan chosen. This helps to detect any breaks between your alarm system and your central monitoring station. In the event of an actual incident, alarm messages are instantly transmitted across the DirectWireless™ network and acknowledged by your central monitoring station ensuring an immediate response.

### A Network built specifically for alarm monitoring

Unlike traditional dialler based monitoring across regular telephone (PSTN), radio or mobile phone services, DirectWireless™ does not suffer from network congestion or in any way share the public telephone network. This means that it does not share its network with systems such as traditional telephones, faxes or ADSL/DSL Internet services and therefore can not be tampered with by hackers over PSTN Internet type connections. DirectWireless™ is a totally secure and managed IP wireless network dedicated for alarm monitoring only. There is no public access to the DirectWireless™ network 'and best of all, cutting the phone lines will not stop communications.

