

# PERMACONN CENTRAL STATION RECEIVER UNIT

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The Central Station Receiver Unit (CSRU) is housed in a 19 inch rack mount unit and receives messages from Permaconn outstations. The CSRU interfaces with most central station software packages including SIMS, ADSW, Dice and Mastermind.

The CSRU is a self contained unit and does not require additional PCs to operate.

**The choice is simple. The choice is Permaconn.**

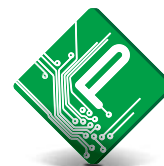


## PERMACONN CENTRAL STATION RECEIVER UNIT KEY FEATURES

- Dual redundancy is built in with both a primary and back up Central Station Receiver Unit (CSRU) available to maintain monitoring using independent GPRS networks.
- Total supervision of connection to computer and message transfer using ACK; NAK and interrogation signals.
- Accepts transmissions from Permaconn Multipath Outstations & SafelinQ GPS devices.
- Buffer capacity to store 558 messages.
- Supports 3000 outstations.
- All messages are encrypted with AES128.
- Firmware upgrades free – updated using Permaconn GPRS network.
- AS and NZS listings
  - AS/NZS 2201.5-2008 Classs2/3/4
  - AS/NZS CISPR 22
  - AS/NZS 60950.1
- Two serial ports
  - Port 1 emulates the Ademco 685 receiver
  - Port 2 connection to serial printer (raw data)
- Display LEDs for Power, Heart Beat, On Line, GPRS, Host and printer failure.
- Built in Battery charger.
- Dual band GSM 900 & 1800 MHz modem.
- Standard SMA connector for antenna.
- Very low power consumption.
- Designed and manufactured in Australia.
- Easy to install.



Visit [www.permaconn.co.nz](http://www.permaconn.co.nz)  
Call 0508 897 897



**PERMACONN™**  
leaders in GPRS security technology

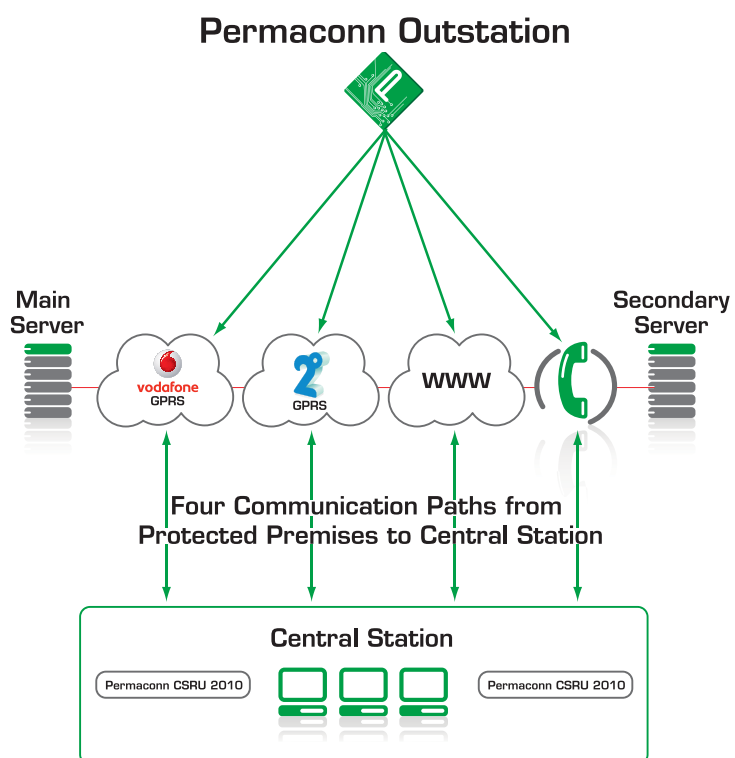
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# PERMACONN MULTIPATH GPRS/IP TECHNOLOGY IS SIMPLY THE BEST WAY TO COMMUNICATE TO THE CENTRAL STATION.

## PERMACONN MULTIPATH GPRS / IP NETWORK

Permaconn Multipath solution is a dedicated data network that enables 'ALWAYS ON' connections. The General Packet Radio Service (GPRS) is the ideal solution designed to deliver high-speed transmissions over the existing GSM infrastructure. The data link between the Outstation and the Central Station is active at all times, allowing the Outstations to exchange messages at any time. There are no phone call charges or call establishing delays as with the existing GSM communicators.

## DEDICATED MULTIPATH NETWORK



True Central Station redundancy is provided by automatic switching between Vodafone & 2Degrees GPRS networks, Ethernet and PSTN.

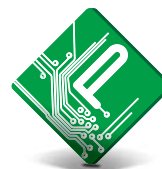
The Permaconn Multipath solution provides four (4) independent communication paths between the Outstation and the Central Station – Vodafone GPRS, 2Degrees GPRS, Ethernet and PSTN. This provides true independent network redundancy. The Permaconn Multipath network is controlled by duplicated servers operating at different geographical locations, using proprietary software ensuring all servers are synchronised at all times. All servers are located within secured approved Data Centres.

- The remote GPRS Outstation connects to the alarm panel via a Contact ID dialler or serial interface.
- The GPRS Outstation remains 'Online' all of the time, once enrolled onto the Permaconn VPN.
- The Alarm panel sends its events via the Permaconn network, using the Permaconn Multipath Outstation to the Central Station.
- If the Permaconn Multipath Outstation loses connectivity, it will automatically switch to another independent communication path.
- The Central Station Receiver CSRU receives the data and sends it to the automation software for processing.
- If a CSRU loses connectivity, the second CSRU immediately processes all alarms from both the Vodafone & 2Degrees networks automatically.
- The Permaconn GPRS networks operate within private networks provided by Vodafone & 2Degrees. These VPN's assures that all data transmitted and received is secure and never connected to the internet or any public domain. All alarm events are encrypted end to end using the Advanced Encryption Standard (AES128).

## CONTACT YOUR RECOMMENDED SUPPLIER



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