

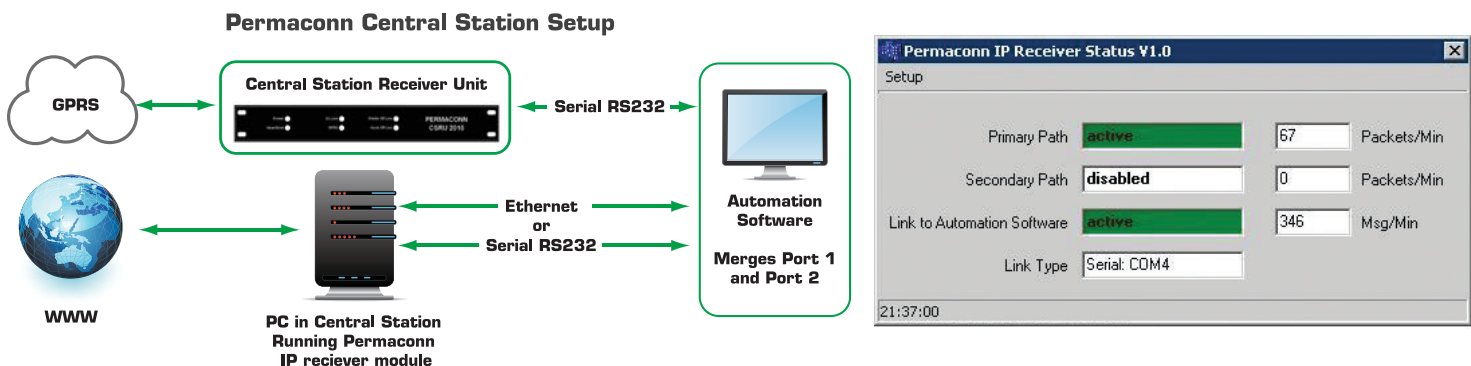
PERMACONN IP CENTRAL STATION RECEIVER

PERMACONN IP CENTRAL STATION RECEIVER

The PERMACONN system provides two-way communication between monitored sites and the Central Station that collects this information using the latest GPRS technology. The Permaconn IP CSRU 'Virtual Receiver' module provides a connection to the Central Station for all Permaconn outstations via IP. It is intended to run as an active alternative path to the current GPRS based Central Station receiver (CSRU 2010).

The IP CSRU 'Virtual Receiver' package is supplied as a software bundle and requires a server style PC. The IP CSRU application will interface with most Central Station software automation systems such as SIMS, CAMS and ADSW.

The choice is simple. The choice is Permaconn.



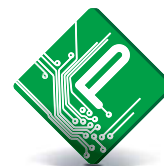
The 'IP CSRU' Virtual Receiver will receive the Contact ID messages from the Permaconn servers via IP, located in secured data premises. All receivers installed within the Central Station will be active at all times and signals can arrive at all ports simultaneously, signals will not be duplicated. The automation software, or buffer software before it, must merge all of the data streams into one.

PERMACONN IP CENTRAL STATION RECEIVER KEY FEATURES

- Dual redundancy is available using the IP CSRU as a primary receiver and the GPRS Central Station Receiver Unit (CSRU) as back up.
- Total supervision of connection to computer and message transfer using ACK; NAK and interrogation signals
- Accepts transmissions from Permaconn Outstations and SafelinQ GPS Tracking devices.
- The receiver writes and time stamps all incoming data.
- The log file records a variety of things useful for trouble shooting, as with the raw data.
- Supports 10,000 Outstations
- Reports operating status to Central Station automation software.
- RS232 or TCP/IP connection to the automation software.
- All messages are encrypted with AES128.
- Status of 'IP CSRU' application is displayed by the 'IP Receiver Status Module'
- Requires supplied USB security dongle to be fitted on the PC at all times.



Visit www.permaconn.co.nz
Call 0508 897 897



PERMACONN™
leaders in GPRS security technology

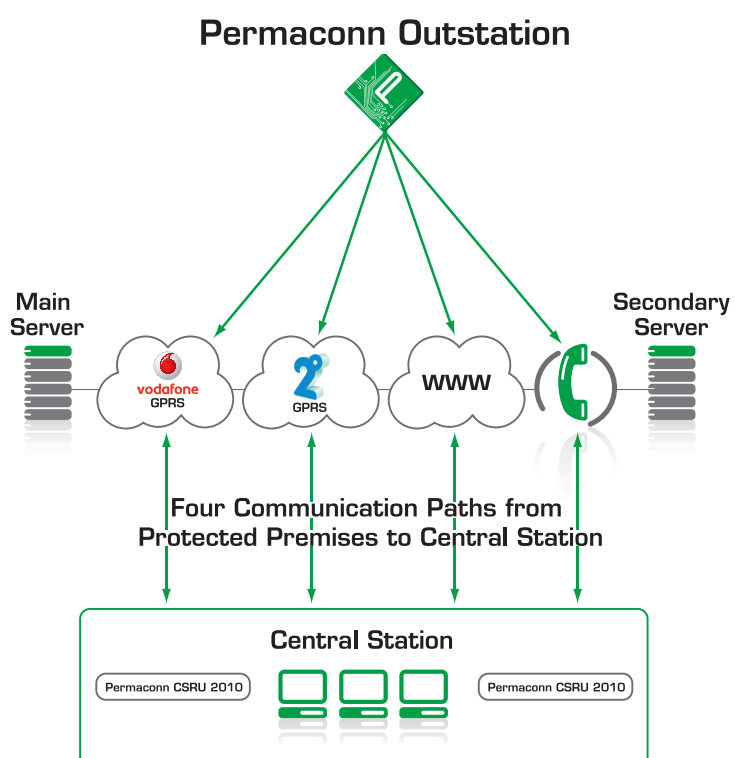
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PERMACONN MULTIPATH GPRS/IP TECHNOLOGY IS SIMPLY THE BEST WAY TO COMMUNICATE TO THE CENTRAL STATION.

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.

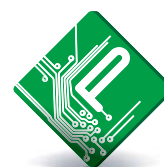
The Permaconn Multipath solution provides four (4) independent communication paths between the Outstation and the Central Station – Vodafone GPRS, 2Degrees GPRS, Ethernet and PSTN. This provides true independent network redundancy. The Permaconn Multipath network is controlled by duplicated servers operating 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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