



Transmitter Interface Unit

Adding Value to Your Call Systems



Nurse Call



Security



Duress



Critical Call

Overview

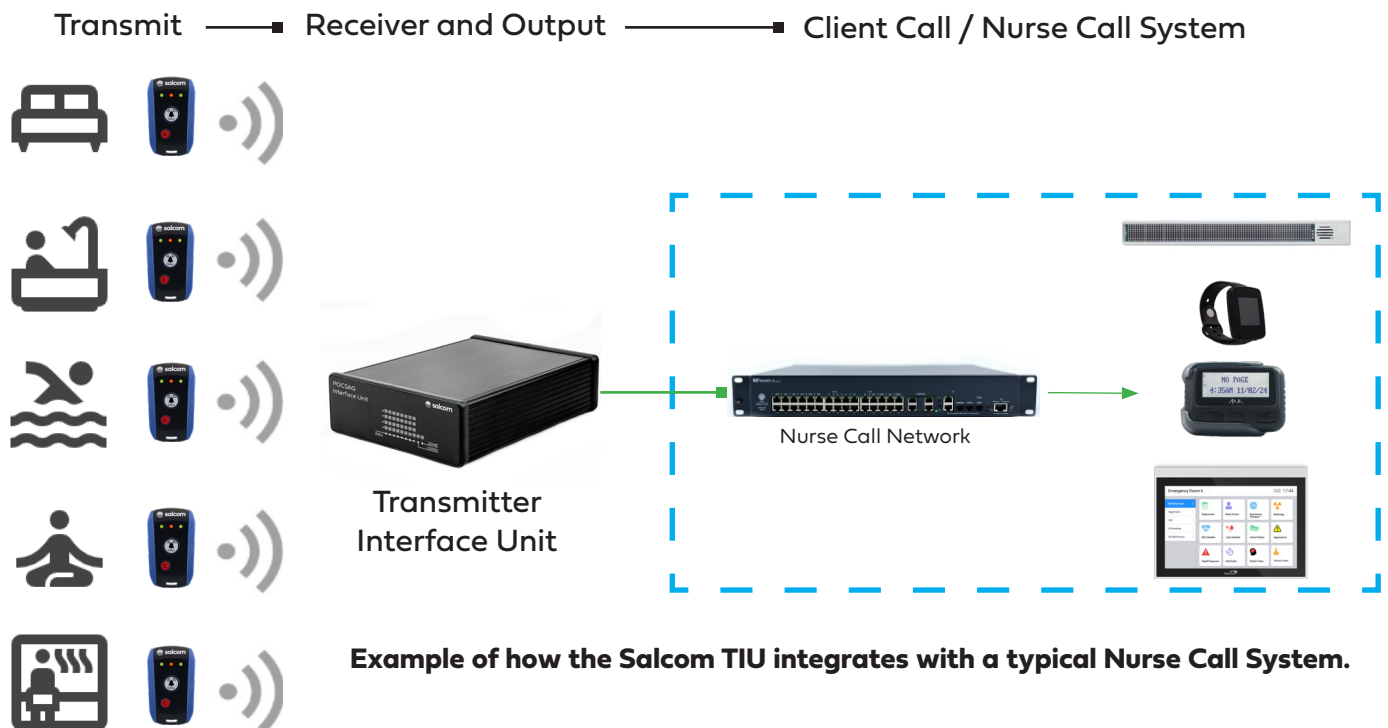
Transmitter Interface Unit (TIU)

Providing protocol-independent connectivity between any POCSAG transmitter and a call system, the Salcom Transmitter Communication Interface Unit (TIU) is the ideal solution for easily integrating wireless communication into existing Nurse Call or other alarm systems.

How it works

The TIU utilizes a UHF transceiver combined with an output module to deliver up to thirty-two outputs, which connect to the input module of a nurse call or alarm system. Transmitters are assigned to an output on the TIU based on the message, using Salcom's Relay Control format.

The versatility of this message format allows a transmitter to control a single or multiple outputs from one event, toggle latching outputs on or off, or perform a combination of actions across multiple outputs.



Key features

- Compatible with any POCSAG UHF transmitter.
- Outputs are addressed directly through messages, so no special or proprietary protocols are required.
- Compact, receiver and output module(s) in one enclosure.
- Outputs can be either latched (kept on until turned off) or set to operate for a timed duration.
- A single TIU can be expanded by serially connecting Salcom Expansion Units

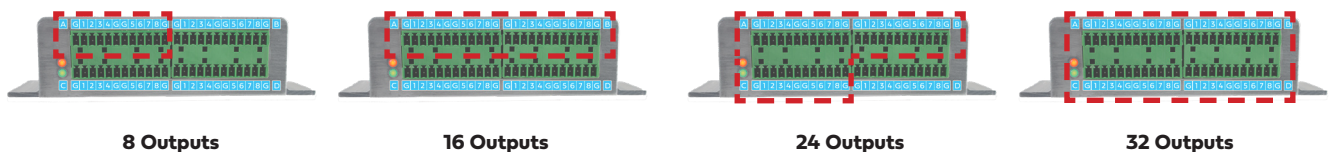
Value Driven Solutions

Key Benefits

- Choose the number of outputs you need.
- Easily activate additional outputs with our modular design.
- Software-based activation for more outputs, remove the need for additional installations.
- Flexible expansion with modular output blocks. supporting up to 32 outputs.
- Single-unit design provides a cost-effective solution for various applications.

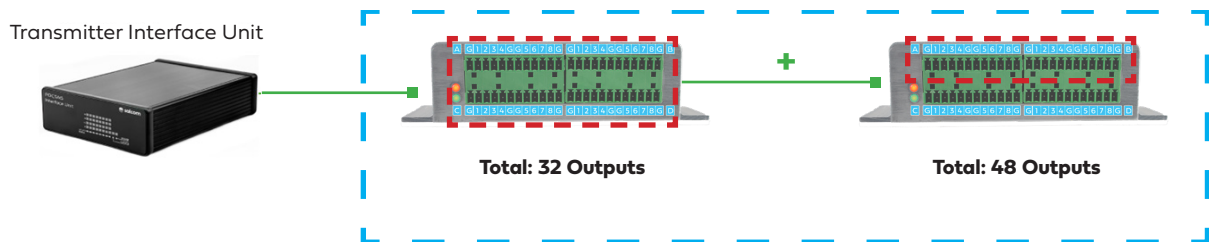
The TIU's modular design allows you to start with the number of outputs you initially need and expand easily if necessary. For instance, if you start with 8 outputs but require more later, you can purchase and activate additional outputs in blocks of 8, up to 32, within the same unit. This approach ensures you only invest in what you need while maintaining the flexibility to expand as your requirements grow.

Example of the output design options and flexibility with the Modular Expansion Unit



If you need to expand beyond 32 outputs, the 20-32-0000 series Expansion Module makes the process straightforward. Its daisy chain integration via the serial port ensures quick and easy installation. The 20-32 expansion modules adheres to the same modular principle, allowing you to purchase and activate output blocks of 8, up to 32 per unit, according to your needs.

Pictorial example of connecting Salcom expansion Input/Output Modules serially for large-scale environments.



This customer-driven design offers maximum flexibility, addressing immediate needs cost-effectively while ensuring future scalability with minimal additional investment.

For optimal performance, use our IP67 Pendant Transmitter.

Specifically designed to tackle the unique challenges of wet, or designated locations, our solution is ideal for environments like assisted care, swimming areas, saunas, and bathing facilities, ensuring safety and performance where it matters most.



Salcom, invested in your success

Sea, Air & Land Communications Ltd (salcom)

10 Vanadium Place, Addington, Christchurch 8024, New Zealand

P. +64 (0) 3 379 2298

E. trevor.foster@salcom.com

W. www.salcom.com

