

Expansion Series

Providing more flexibility for your solutions



Health care



Security



Duress



Industrial



Critical Call

20-03 Expansion Unit Overview

Expansion Unit with Relay Outputs

The 20-03-0000 I/O Expander Module is designed for flexibility, featuring four relay outputs and eight bidirectional input/output pins that enable seamless customization.

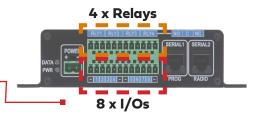
Effortlessly configure your I/Os by mixing and matching inputs and outputs across the 8 general-purpose I/Os, independent of the 4 relay I/Os.

Additionally, outputs can be managed through serial data, while inputs can trigger POCSAG messages or transmit ASCII text over a serial connection, enhancing your system's functionality.



Optimal Flexibility: Optimise your unit by mixing inputs and outputs as required

Example: 6 outputs and 2 inputs, or vice versa, on the general-purpose I/Os.



Example of the Expansion unit daisy chaining to create more GP I/Os and Relays



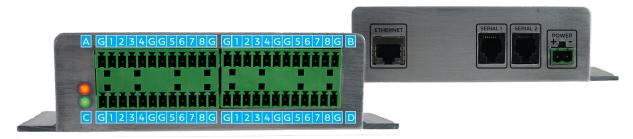
Key features

- » I/O Expander: Offering bidirectional point-to-point control over serial or radio links.
- » Expandable Design: Supports further expansion by daisy chaining additional Salcom expansion units.
- » Versatile Outputs: Features four relay outputs and configurable input pins that can act as open drain outputs.
- » Flexible Input Handling: Eight bidirectional inputs generate user-defined serial messages, with flexible activation options.
- » **Network Compatibility:** Supports control over Ethernet using third-party serial to Ethernet adapters, ideal for PC, PLC, and microcontroller projects.

20-32 Expansion Unit Overview

Expansion Unit with Modular Versatility

The design of the Modular Expansion Unit allows you to select the number of Inputs/Outputs (I/Os) you initially need and expand easily as required. For instance, if you start with 8 I/Os and expansion is necessary, you can purchase and activate additional I/Os in blocks of 8, up to 32, within the same unit. This customer-driven design offers maximum flexibility, addressing immediate needs cost-effectively while ensuring future scalability with minimal additional investment.

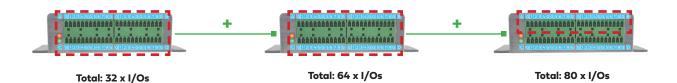


Example of the I/O design options and flexibility with the Modular Expansion Unit



Effortless On-Site Expansion: Once installed, easily scale from 8 to 32 I/Os by activating additional modules via software—eliminating the need for extra shipping, installation, or administrative costs, saving both time and money.

Example of Salcom I/O expansion capabilities for larger-scale requirements.



Key features

- » **Optimal Flexibility:** Customize your system by mixing inputs and outputs across one or all modules for maximum configurability.
 - Example: in an 8-module setup, you can choose 6 outputs and 2 inputs, or vice versa.
- » Modular Versatility: Cost-effectively scale by activating additional I/Os blocks in increments of 8, providing flexibility. Inputs and outputs can also be combined multiple modules to suit your specific needs.
 Example: In a 4 module set-up (32 I/Os) you could have 8 inputs and 24 outputs
- » **Seamless Expansion:** Easily scale beyond 32 I/Os by daisy-chaining additional expansion units and modules to accommodate your growing needs.
 - Example: 32 + 8 = 40 I/Os, 32 + 16 = 48 I/Os, or 32 + 32 + 16 = 80 I/Os, and so on.

Salcom, invested in your success

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