

The 12-32-0000 is a 32 input expansion module that may be used either autonomously with a serial to ethernet converter or to expand the number of inputs on any transmitter that supports Salcom protocol. Input modules may be daisy chained together to provide as many inputs as required.



12-32-0000 Input Expansion Module

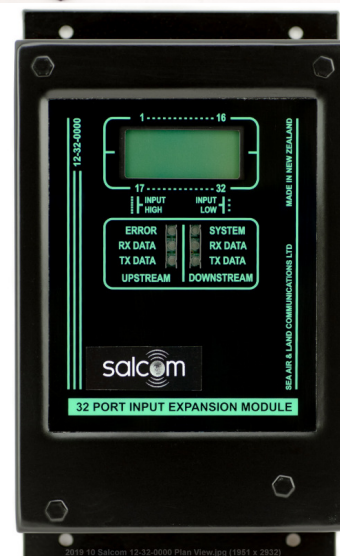
A simple LCD provides indication of current inputs states and system messages. LEDs provide indication of system health, upstream and downstream serial port activity. When a message is generated by an input module the content of the message will display (up to the first 16 characters) on the LCD momentarily.

The 12-32 supports multiple message queuing, and will queue at least 50 messages. Pre-defined input messages are limited to a maximum length of 40 characters which may be configured using Salcom programming software.

Using the programming software (PSD), the input module may be configured to tag each message with a source description

(e.g [01] or [Shed 1]). Input actions, low supply detector settings and pre-defined messages may also be configured via the PSD.

The 12-32 is housed in an attractive, durable metal case with provision on the base plate for wall mounting.



- 32 External Inputs
- LCD indication of current input states and system messages
- Units may be “daisy chained” to provide as many inputs as required
- LED Power indication of normal operation and low power voltage
- LED status indicators - Downstream Receive data, Downstream Transmit data, Upstream Receive data, Upstream Transmit data and System Error
- Messages up to 40 characters in length
- Input actions configurable via programming software
- External inputs can initiate actions on high or low input transitions
- Low-supply detector can initiate a message for supply “going high” and “going low” conditions
- Internal Watchdog will initiate an action after a predetermined period and optionally allows the transmission of the current state of selected inputs
- Supports Numeric or Alphanumeric Pagers

Designed in New Zealand

Technical Specification	
12-32-0000 - 32 Port Input Expansion Module	
Power Supply	+13.8V typical (11 to 15 VDC range)
Power Consumption	Normal Operation: 40mA
Configuration Application	12-32 Configuration tool
Programming Cable	12-45-0000 (RJ12 to DB9) Can be used with a USB to RS232 DB9 Serial Adapter Cable
Serial Port	9600 , N, 8, 1; RS232
Serial Protocols	Salcom
Discrete Inputs	32 (Ground activated)
Connectors	Upstream / Programming interface (RS232) = RJ12 (6P6C) Downstream interface (RS232) = RJ12 (6P6C) Discrete Inputs (1-16) = 16-way screwless terminal block Discrete Inputs (17-32) = 16-way screwless terminal block Gnd = 9-way screwless terminal block
Power Connector	2-way plug & socket, screw connections (supplied)
Environmental Protection	Not suitable for outdoor use and should be protected from adverse environmental conditions
Operating Temperature	-10°C to +50°C (+14°F to +122°F)
Indicators	ERROR LED (Red) - On = System Error; Flashing = Unit Cannot Communicate with Transmitter, or Adjacent Input Module, or Message Buffer Is Full RX DATA LED (Green) - Flashing = Serial Data Is Being Received from An Upstream Device TX DATA LED (Red) - Flashing = Serial Data Is Being Transmitted to An Upstream Device SYSTEM LED (Green) - Slow Flashing = Normal Operation; Rapid Flashing = Low Supply Voltage RX DATA LED (Green) - Flashing = Serial Data Is Being Received from A Downstream Device TX DATA LED (Red) - Flashing = Serial Data Is Being Transmitted to A Downstream Device
Weight	385g
Enclosure Dimensions	113mm x 193mm x 40mm (WxDxH)
Enclosure Material	Steel case
Colour	Matt black
Type Approvals	EN 60950-1:2006 (Safety) EN 301 489-2 V2.1.0 (EMC)



Configuration tool available for free download at: www.salcom.com

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