



General Description

The ESC Model 8100 Receiver responds to alarm signals received from any ESC 8000 Series alarm transmitter. The unit supervises the signal channel, prioritizes the signals and interfaces the field equipment to one of several ESC Automation Systems. The Model 8100 has been recently ULC listed under standards S537 and S559. File # S7505.



Listed
S527
&
S559

Features

- The ESC Model 8100 can function as a stand alone device, displaying and printing all signals transmitted to it from field-installed transmitters (Model 8240) and data gathering Hub units (Models 8050-24, 8050-12 and 8050-6).
- When connected to a Symposium® automation system, detailed site information including floor plans and device location enhance the dispatch procedure.
- Modular design allows for easy serviceability. Cards are identical, differ only in programming.
- Designed to Military Spec. Motherboard and plug-in cards withstand high voltage spikes of 600 volts on the main power input and up to 20,000volts on the data receiving and output ports.
- Printer paper is standard, easily obtained 3” paper, and requires only a few seconds for replacement.
- Programmable dry contacts as well as active outputs for remote functions such as pager activation.
- One Model 8100 Receiver can respond to 4,000 field-installed transmitters.

Signaling Media

The ESC Model 8100 receives signals over most media including:

- High/low speed, long/short haul modem
- RS232 or RS485
- data networks , Closed Intranet
- twisted pair
- DVACS (in Canada)

Other Features

- Can maintain several thousand events in its buffer
- Rack-mountable or attractive desk top enclosure
- Enhanced site serviceability
- Messages are displayed on an 80-character @9mm height (for easy reading) LCD.
- A standard computer keyboard is used to input information

Installation

The ESC 8100 Receiver is located in an alarm signal receiving centre such as a monitoring station, security guard office, fire department dispatch room or unmanned satellite station, and complies with ULC standard S561, *Signal Receiving Centres*. It receives alarm information in the form of data from as many as 4,000 ESC Fire and/or High Security Intrusion transmitters. It is supplied with its own Power Supply including a 24-hour battery standby.

Power Supply Transformer:

Primary: 115 VAC Secondary: 14VAC 8 Amp.

Standby Power Supply: 12 Volts @ 27 Ah.

Power consumption @ 12 Line Cards: 980 mA @ 12 VDC

Height: 7” (18cm)

Width 19: (48cm)

Depth: 12.25” (31cm)

Printer Paper: 3” Standard Thermal