esc

Electronic Products and Software dedicated for the Safety of Life.

ADVANCED SOLUTIONS

Superior Technology.
Superior Performance.

ESC's state-of-the-art fire security and monitoring systems are the most secure, reliable and simple systems available today.

Contact Us

System Description

The ESC Model 8240 is one member of a family of alarm signal transmitters. This unit can share any data transmission pathway with any of the Series 8000 High-Security Intrusion Alarm transmitters. At the receiving end, the ESC 8100 Integrated Receiver processes alarm data, supervises the signal channels and serves as the interface to the ESC Event Management Centre (EM Centre) automation package. All the data received from any ESC 8240 is displayed (accompanied by an audible signal) and printed by the ESC 8100 Receiver. Signals are prioritized, and if required, re-transmitted to Emergency Service responders, such as Volunteer Fire Department personnel.
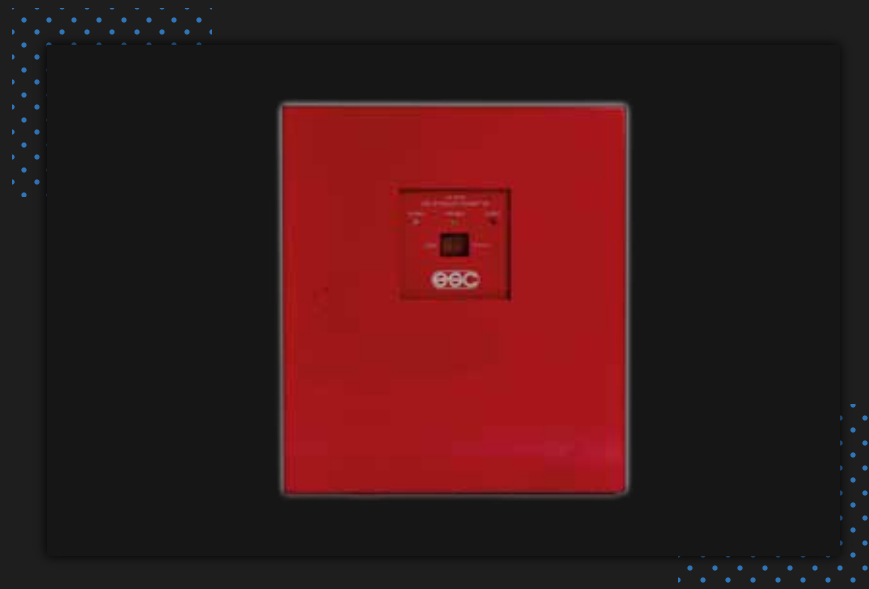
Benefits

- Inputs are programmable to be Normally Open (N/O) or Normally Closed (N/C) and are supervised with End of Line (EOL) resistors. Zone 1 input provides the added feature of selectable delayed response of 5 sec, 10 sec, or 30 sec. (factory set at 5 seconds).

- All field programming is executed by means of a simple DIP switch at the time of installation.

- Inputs are programmable to be either Alarm or Supervisory. This feature will activate the common alarm relay at the ESC 8100 receiver.

- Thirty-minute delay on AC Fail/Brownout.

- Foreign System Interface will allow for device information from Siemens MXL, IQ, XLS and Secutron MR2100 & 2200 and Notifier 320, 640 & 3030 to transmit to the ESC 8100 Receiver.

- Unit provides an Auxiliary Power supply of 12 VDC @ 150 ma.

- Communication protocols include RS 232 and TCP/IP.
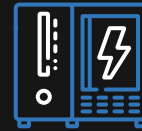
Standby Power **Requirements**

Central Station requires 24 hours of standby power. You will need only One 12vDC @ 7.0 Amp.hr. battery (BATTERY SHOULD BE A SEALED LEAD ACID TYPE. G.S. CANADA or equivalent.)

Dimensions

This transmitter can be mounted either vertically or horizontally, depending on the location requirements.

Looking at the enclosure vertically, the dimensions are 12"H x 10.5"W x 3"D.

Communication **Features**

Communication to the central station can be done through a serial connection or IP connection with a number of devices. Below are two ways in which the ESC 8240 will communicate efficiently with your central station. Both solutions are mounted externally to the ESC 8240 transmitter, mounted in an enclosed metal box.

Microhard Bullet **Wireless Router**

This IP or serial communicator is designed to connect through the LTE Data network and can be configured to communicate directly with the 8100 receiver to transmit all pertinent signals to the central station.

Available **Bundle**

ESC 8240 Transmitter complete with an External Microhard Bullet serial communicator and Red metal mounting box, comes fully programmed and ready to mount and test.

Expansion **Modules**

The ESC 8240 can accommodate two expansion boards to increase the operation of this transmitter:

- **ESC 8410R**

    It has eight zone inputs and six form "C" relay outputs ideal for automatic pump control.

- **ESC 8424**

    The expansion board has twenty-four zone inputs programmed the same as the host control.