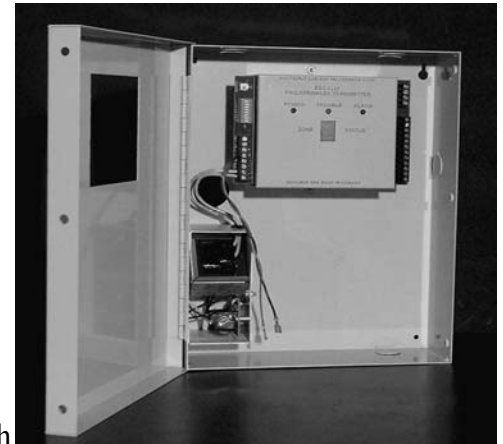




General Description

The ESC Model 8240 is an Alarm Data Transmitter, a field device typically connected to Fire Alarm and Sprinkler systems. The unit monitors Alarm, Trouble and Supervisory switches and transmits any status change to a monitoring centre. The 8240 also monitors critical functions including sewage lift stations, water levels, boilers and HVAC systems. It has been designed to mimic the appearance of the original Series 5000, which allows for simple, cost-effective upgrading of Direct Wire (twisted pair) systems.



Benefits

- All field programming is executed by means of a simple DIP switch at the time of installation.
- 7 inputs are programmable to be Normally Open (N/O), or Normally Closed (N/C) and are supervised with End of Line (EOL) resistors. Three on-board relay outputs are programmable to the inputs.
- 1 input provides the added feature of selectable delayed response of 10sec, or 30sec.
- This is the only transmitter tested to ULC Standard 527, and will survive multiple discharge (pulse) of 600 volts on the Power Supply input and 20,000 Volt discharge (pulse) on the Input circuits and the Communication port. Virtually indestructible.
- The 8240 is not only listed for use in Central and Monitoring Stations, but also for service in environmentally rugged Remote Stations.
- Unit provides an Auxiliary Power supply of 12 VDC @ 150 ma

Signaling Media

The ESC Model 8240 is field ready to transmit over any medium including:

- High/low speed, long/short haul modem
- Data Networks (NFPA 72-99-1 FI: TIA 99-3) Instantaneous transmission of life safety alarms.
- twisted pair
- DVACS (in Canada)

Other Features

- Selectable baud rate
- Signals AC Fail, Tamper, Low Temperature, Low Battery
- “Battery Saver” disconnect threshold
- LED display of all status conditions
- Continuous display of RX and TX activity.
- Extremely low standby current draw (30ma)

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 process alarm data, supervises the signal channels and serves as the interface to the Integrated Monitoring System (IMS) automation package. All of 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.

ESC Model 8240C (Chassis)

All the 8240 features are available in a chassis that instantly replaces the original Series 5000 Direct Wire Fire transmitter, providing a simple, economical upgrade from twisted pair to data transmission.

