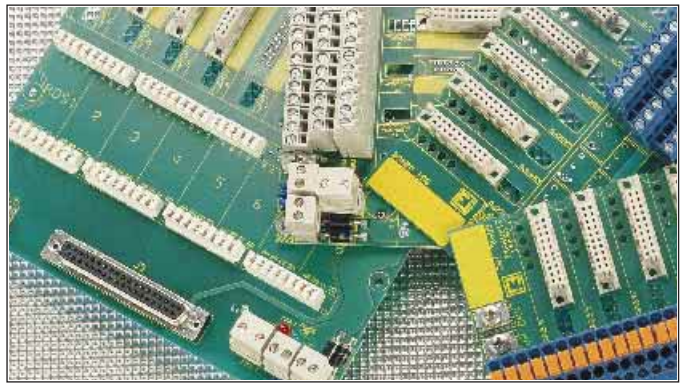
Signal Marshalling

Our patented cross-wiring system allows multicore cables to be run with mixed signal types direct from the field to the termination board but the connection of the cables to the input/output cards of the measurement and control equipment with matched signal types.
The Elcon cross-wiring system, using field-proven quick-connect terminals and integrated cable raceway, enables I/O signals to be grouped to match the control system in a simple, safe, neat and cost effective solution.

Fault Monitor

The various types of interface modules can have a separate output to signal a fault condition, such as the field wiring being broken for example.
The Fault Monitor Module can be added to the termination board to provide a composite signal output to the control or shutdown system.
This enables the system to alert the operator or take appropriate control action when a fault is detected, providing extra security and simplifying maintenance



Field Terminals

Conventional screw-clamp terminals or loop disconnect terminals are available.
The use of loop disconnect terminals for the field signals means that the rows of separate "knife-edge" terminals which were previously mounted in marshalling cabinets are no longer needed.
The terminals also have test points for the convenient location of probes to assist maintenance and commissioning tasks.
Both types of terminal ensure that there are no loose plugs or wires left hanging from the cable trunking during the plant commissioning which may cause an additional hazard.

Interface Adapter Cards

The unique Elcon system offers a range of standard termination boards and integrates the patented Interface Adapter Cards (IACs) to suit the I/O connections of various control and shutdown systems.
The concept enables the combination of hazardous-area and safe-area parts to meet the application requirements without affecting the Intrinsic Safety certification and thus saving time.
Each termination assembly is supplied on a strong metal chassis and the rigid structure provides a fast and reliable means of cabinet or DIN rail mounting with good mechanical protection.

Benefits

- Tremendous cost and time saving.
- Elimination of marshalling cabinets saves hardware, wiring, engineering and space.
- System simplification from reduced components and wiring complexity.
- Reconfiguration of field to system connections during installation, commissioning or upgrade.
- Loops can be "opened" for diagnostic or maintenance purposes.