

All ICS MUX VOS 200 Systems are supplied with the field stations completely fitted and wired in accordance with customer specifications. This eliminates the need for any outside panel fabrication. The only connections required prior to commissioning are for external power, field bus, and the field circuits.

Any commercially available cabinet may be used to house the electronics and associated wiring. When being installed in a Zone 1, gas group IIC or Class I, Division 2 hazardous area, the cabinet does not need to be purged.

Stahl offers a variety of IP and NEMA rated enclosures made of steel or stainless steel. The photographs to the right provide an idea of a standard field station ranging from the smallest to the largest.

When requested the field station may be fitted with a temperature monitoring system, or an anti-condensation heating system.

### Electronics Compartment

This compartment comprises of one or more system racks fitted to a swing frame. This permits rear access to all internal wiring by the user. Standard layouts call for the transmission system (USE) to be installed in the top rack with the I/O directly below. This gives logical arrangement of functional groups. For efficient space utilisation, the system racks may be fitted with a mixture of I/O and power supplies.

By fitting the power supplies at the lowest possible position and including an identification panel (1HE) between each rack, effective self-cooling is achieved. No further cooling measures are necessary.

### Terminal Compartment

All wiring for the field circuits, field bus, and power supplies is terminated in the terminal compartment via cable ducts. Compression glands provide the necessary seal between the two compartments and may also be used for the field station entries. Otherwise a gland plate would be provided.

When powering the field station with 230VAC, 120VAC, 24VAC/DC a sealed housing containing transformers, fuses, decoupling diodes for redundant power supply and distribution bus is installed in this compartment.

