



INTRINSICALLY SAFE BARRIER

ISB-4

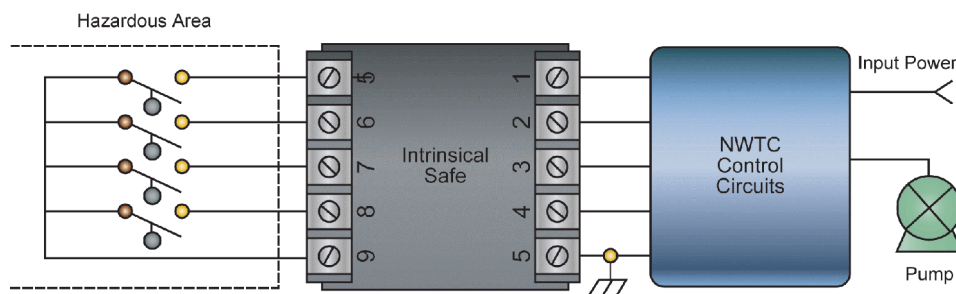
4 Channel Barrier



What is INTRINSICALLY SAFE?

Intrinsically safe means "Inherently Safe". Intrinsically safe equipment is defined as: "equipment as wiring which is incapable of releasing sufficient thermal or electrical energy under normal or abnormal conditions. To cause ignition of a specific hazardous atmospheric mixture in it's most easily ignited concentration". This is achieved .by limiting power available to (and generated by) the electrical equipment in the hazardous area to a level below that which will not ignite the hazardous materials.

Northwest Tech-Con System's ISB has been created as a 4-channel Intrinsically Safe Barrier. The barrier provides intrinsically safe outputs for connection to non-inductive resistive devices, switches, RTD's, input of PLC and thermocouples or a variety of sensors in Class 1, Group D locations.



SPECIFICATIONS:

- Channel Input 4
- Size: 111.76mm (4.4") x 60.96mm (2.4") x 3.175mm (1-3/8")
- Operation Temperature: 10°C + 60°C
- Input voltage through step down transformer: 12VAC
- Approved for Class 1, Division 1, and Group D in Hazardous Locations