



Figure 9561.1

Figure 9561.2

The Type 9561 is designed to provide intrinsically safe connections to two control valves, *i/p* transducers or displays located in Zone 0,1 gas group IIC or a Class I, Division 1 or 2 hazardous area. The two outputs are mutually independent, short-circuit-proof and galvanically isolated.

The output signal from the central unit is fed to a D/A converter and then to an output driver where the analog value is converted to the selected signal. If the module receives either no or corrupted data from the central unit the outputs are automatically placed into a preselected safety state (0% or 100%).

Several versions are available depending on the output signal required for the application.

Application	positioners, displays
Number of outputs	2
Isolation	point to USE point to ground point to point

Output characteristics	
Signal range	0/4...20/24mA 0/2...10V, 0/1...5V +HART
Driving capacity	4...20mA < 750 Ω 1...5V > 1 kΩ 2...10V > 1 kΩ

External power, SVB	
Module	19V/1mA per output + output current
Field	supplied by module

System Data	
Resolution	10 bit
Basic error	< ± 0.4%
Temperature effect	< ± 0.1% per 10K

Diagnostics	
Drive section failure	
Safety Position 0/100%	<i>selectable</i>

