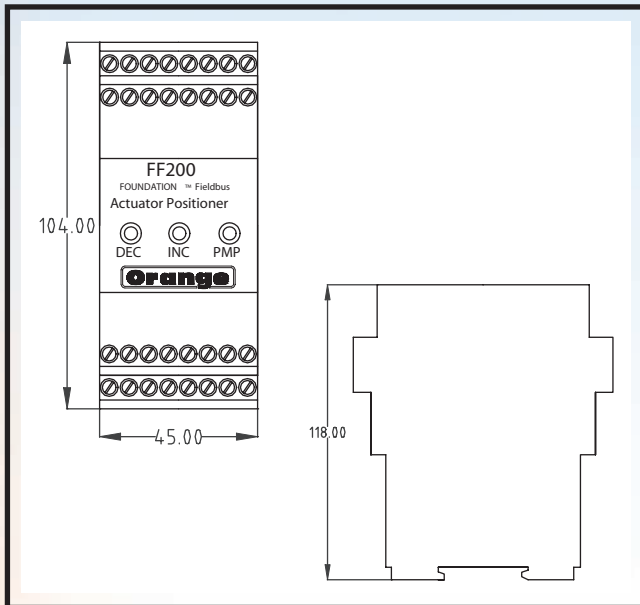


# FF200

## FOUNDATION FIELDBUS ACTUATOR POSITIONER



IEC61158-2  
FOUNDATION™ Fieldbus  
H1 compliance

Full interoperability to ITK  
5.01 and HIST  
conformance

Full actuator control and  
monitoring

Comprehensive resource  
and transducer blocks

The FF200 positioner provides digital control and monitoring for electro-hydraulic valve actuators.

The instrument integrates into FOUNDATION Fieldbus networks and will interface with central control systems from many of the major manufacturers.

### KEY FEATURES

- 13 defined positioning and condition monitoring function blocks
- 12 bit analog to digital conversion for position and pressure signals
- Four logic inputs for limit switches
- Extensive logging capabilities

# FF200 “smart” control system

## FOUNDATION™ FIELDBUS ACTUATOR POSITIONER

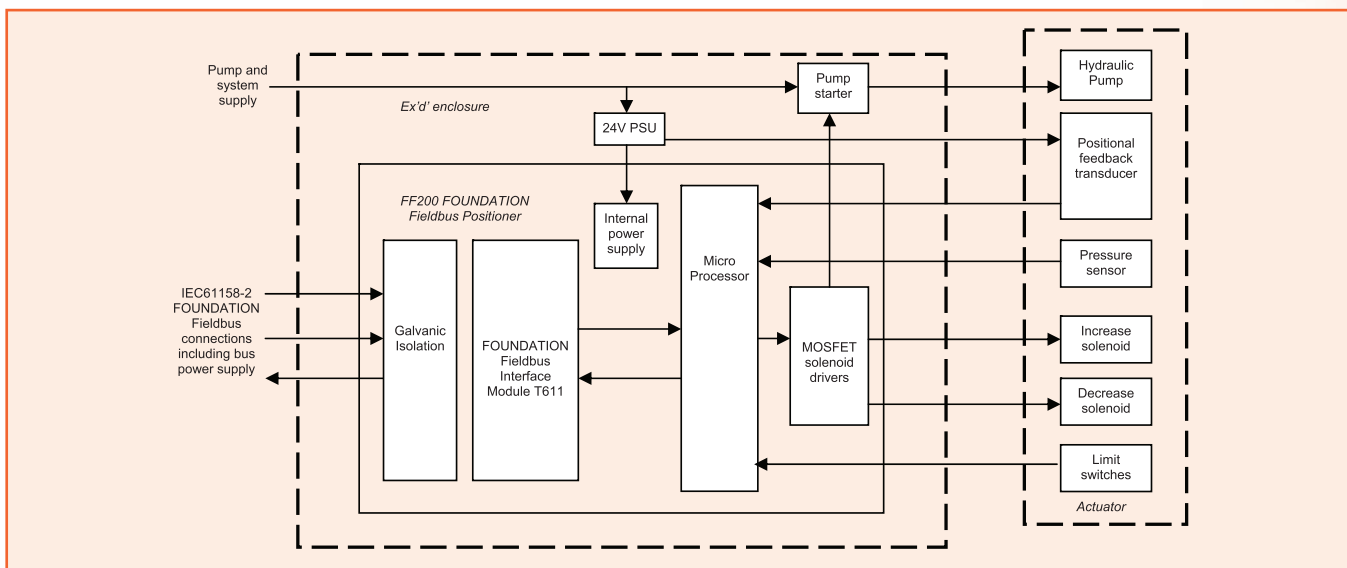
The FF200 FOUNDATION™ Fieldbus actuator positioner offers full control and monitoring.

It contains a PID Function Block to enable local loop process control.

The FF200 offers comprehensive Resource and Transducer Blocks, giving access to the actuator position configuration and condition-monitoring log.

### MAIN FEATURES

- Logic control outputs for two solenoid valves and hydraulic pump start
- Selectable solenoid drive sense for failsafe operation
- Local manual operation for commissioning
- Variable speed positioning, by solenoid pulsing
- Pulsed “hard seating” function
- Hydraulic pump control on-demand or via pressure sensor



Typical installation of the FF200 within an Ex'd enclosure in a Zone 1/2 hazardous area.



Orange Instruments supply bespoke control systems to the oil, petrochemical, gas, coal, nuclear, food and beverage, water treatment and household product sectors of the continuous process industry. The company has approvals ISO 9001:2000, Baseefa ATEX 1575, and is a Member of the HART Communications Foundation. Orange Instruments have been satisfying customers for more than three decades. They offer a comprehensive design and manufacturing service from concept, through system configuration, to final approval and supply.