CU4 D4 IECEX AS-I ZONE 2 CERTIFIED

VALVE CONTROL UNIT

The CU4 D4 IECEx Zone 2 Control Unit ensures safe, efficient, and reliable operations in hazardous ATEX, IECEX and CCC Zone 2 applications. It is specifically designed for managing our process D4 / D4SL mixproof valves in explosive atmospheres in industries such as food and beverage, chemicals, personal care, pharmaceuticals, and related sectors.

Theory of Operation

The CU4 D4 IECEx Zone 2 Control Unit acts as an interface between process control systems and the D4/D4SL mixproof valves in explosive atmospheres. It handles both electrical and pneumatic signals, monitoring the positions of the D4/D4SL valve range (open and closed) using built-in hall sensors

Benefits

- Ensures safety, process efficiency, clarity, and reliability at a competitive price
- Sensors for accurate valve position detection
- Manual override solenoids for added control and flexibility
- Designed to meet stringent requirements for hazardous environments
- No additional field wiring
- Standard bus-system. Quick connection to the bus
- No dependence on single or specific suppliers
- ASI master for various PLCs available
- Cost-efficient installation

GENERAL TECHNICAL DATA	
RATING:	Ex ec IIB T4 Gc
APPROVAL TYPE	ATEX, IECEx, CCC
PROTECTION CLASS:	IP 64
AMBIENT TEMPERATURE:	0°C - 55°C
MAX. AIR PRESSURE:	6-8 Bar
POSITION MEASURING SYSTEM:	Internal hall sensors
COMMUNICATION:	AS-Interface
OPERATING VOLTAGE:	26,5 31,6V AS-Interface Standard
POWER CONSUMPTION:	<150 mA at 2 Solenoids active and 1 feedback sensor
CERTIFICATE:	Certified according to AS-International association
NUMBER OF SOLENOIDS:	1, 3
INDICATORS	LED FOR STATUS - VALVE OPEN - VALVE CLOSED - POWER/DIAGNOSE - (UPPER SEAT LIFT) - (LOWER SEAT LIFT)
ELECTRONIC CONNECTIONS	M20 cable gland or 4-Pin M12 conector
AIR CONNECTIONS	6mm

Please read Operating Manual

The CU4 D4 IECEx Zone 2 control unit is certified as increased safe "ec" according to the current standards IEC 60079-7 and IEC 60079-0 and approved for use as a Category 2 device for gas-related applications.

For more information, visit www.spxflow.com.