ILB24 Intelligent Line Breaker

Datasheet

ILB24-AF-210043-S1

The ILB24-AF is an Intelligent Line Break controller which is used for pipeline monitoring and controlling. The controller fits any hydraulic and pneumatic, roatary and linear, double acting and spring return actuator.

Pipeline monitoring

High and low pressure monitoring: Major and minor
Rate of Drop – RoD: Major and minor
Rate of Rise – RoR: Major and minor
Differential pressure: Major and minor
Movement alarm: Open and close

Logging and event functions

24/7 event and data logging
Internal memory up to 30 years data
Watch with battery backup
Advanced protection with password and several levels
Monitoring and logging software – VCDC
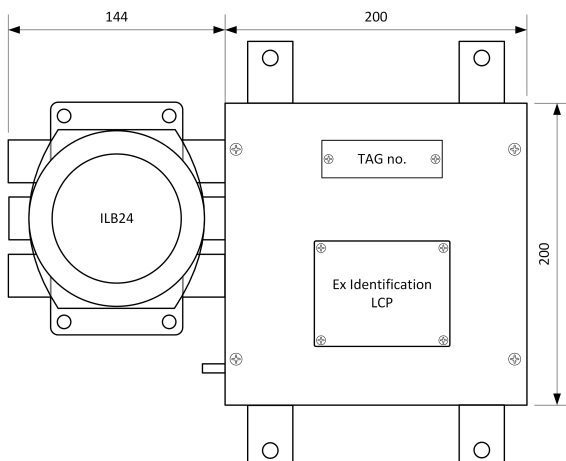Partial stroke test

Approvals and standards

Flameproof – ATEX/IECEx/UKCA/EAC Ex/ECAS Ex
II 2 GD Exd IIC T4-T6

EMC according to IEC 61000
Vibration and transportation according to IEC 68000
Radio disturbance according to EN 55022

Design

Temperature range: -30°-+60°
Ingress protection: IP66
Enclosure material: SS316L
Gland entries: 8 x ⌀20 (M20)
Weight: 7kg
Dimensions: 344x200x120mm

Local user interface

Display with menu
Indication LEDs
USB connection
MTControl

Connections

Power
24VDC – unit power consumption <2W

Communication
Modbus RTU – RS-485
4-20mA transmitter output – Indicates position or pipeline pressure

Sensors
4-20mA pressure transmitter - Upstream
4-20mA pressure transmitter - Downstream
4-20mA position transmitter – Position of valve

Outputs
2 x 24VDC outputs (solenoids, lamps, alarms etc.)
Inputs
2 x inputs for 24VDC (remote open/close, reset etc.)
(inputs and outputs can be reconfigured to other functions)

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DLB-SP-002. Rev. 2