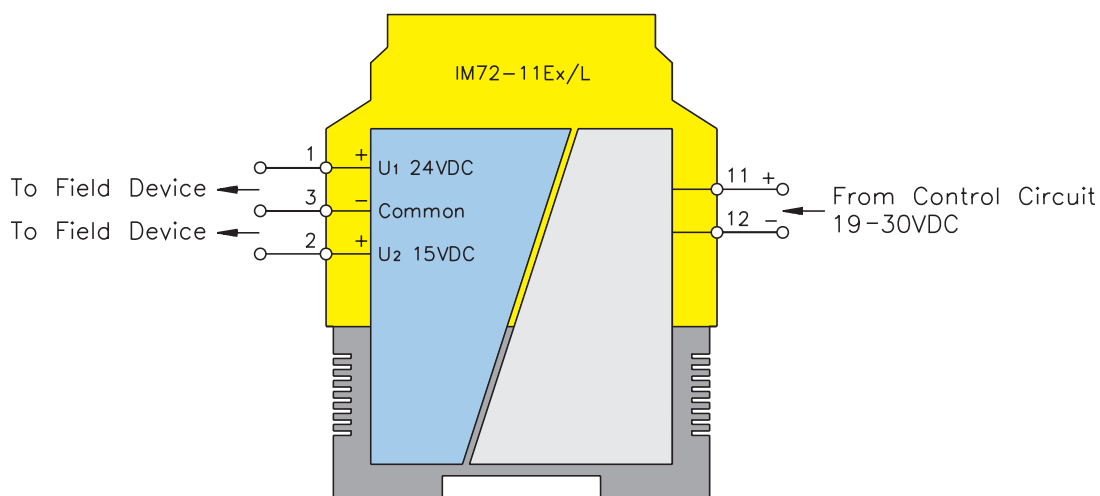


IM72-11Ex/L

Solenoid Driver/Discrete Output Isolators



Functional Description:

This single channel device is designed to drive the vast majority of intrinsically safe solenoids available, as well as "IS" displays and other field devices that may require a separate "IS" power source. The unique design allows different configurations to be implemented depending on the specific field device being used.

Loop power is applied from a non-hazardous area source directly to the non-hazardous area inputs eliminating the requirement for additional power supply connections.

Features:

- 1 channel solenoid driver or "IS" supply
- Loop powered
- 2 output levels
- Switching frequency up to 500 Hz

Electrical Parameters:

Inputs: Hazardous Area

Supply (Loop Power)

Signal "OFF" <5 V

Signal "ON" 19-30 VDC

Switch-on delay <400 μ

Outputs: Non-Hazardous Area

In accordance with Output Curve:

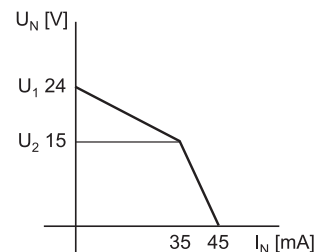
U1=24 V (Pins 1 & 3)

U2=15 V (Pins 2 & 3)

I1= 45 mA (Pins 1 & 3)

I2=45 mA (Pins 2 & 3)

Switching Frequency <500 Hz



For entity parameters see control drawings on pages B86 - B91.

Solenoid Driver/Discrete Output Isolators IM72-11Ex/L

Pin #	Terminal Function
1	U1 Field Output
2	U2 Field Output
3	Common Field Output
4	No Connection
5	No Connection
6	No Connection
7	No Connection
8	No Connection
9	No Connection
10	No Connection
11	(+) Non-Hazardous Area Input
12	(-) Non-Hazardous Area Input

