

# MTL4521Y

## SOLENOID/ ALARM DRIVER

loop-powered, IIC

The MTL4521Y is a loop-powered module which enable a device located in the hazardous area to be controlled from the safe area. The module can drive a certified intrinsically safe low-power load, as well as non-energy-storing simple apparatus such as an LED.

### SPECIFICATION

See also common specification

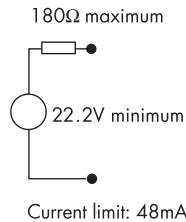
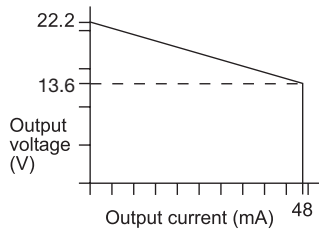
#### Number of channels

One

#### Location of load

Zone 0, IIC, T4--6 hazardous area if suitably certified  
Div. 1, Group A hazardous location

#### Minimum output voltage      Equivalent output circuit



#### Input voltage

20 to 35V dc

#### Hazardous-area output

Minimum output voltage: 12.8V at 48mA  
Maximum output voltage: 24V from 180Ω  
Current limit: 48mA

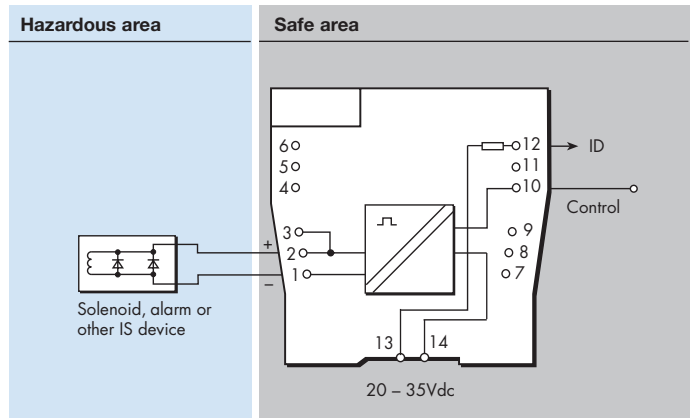
#### Output ripple

< 0.5% of maximum output, peak to peak

#### Response time

Output within 10% of final value within 100ms

### MTL4521Y



#### LED indicator

Yellow: output status, on when output active

#### Maximum current consumption

90mA at 24V

#### Power dissipation within unit

1.4W at 24V

#### Safety description

$U_o=25V$   $I_o=147mA$   $P_o=0.92W$   $U_m = 253V$  rms or dc

#### ID Resistor

150kΩ

The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.