

# MTL4624

## SOLENOID/ALARM DRIVER

switch operated with override

The MTL4624 enables an on/off device to be controlled by a volt-free contact or logic signal. It can drive loads such as solenoids, alarms, LEDs and other low power devices.

The MTL4624 allows a second switch or logic signal to be connected enabling the output to be disabled to permit, for example, a safety system to override a control signal.

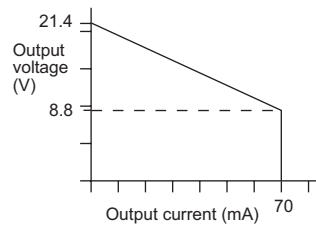
### SPECIFICATION

See also common specification

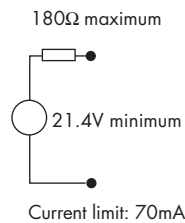
#### Number of channels

One

#### Minimum output voltage



#### Equivalent output circuit



#### Output

Minimum output voltage: 8.8V at 70mA  
 Maximum output voltage: 24V from 180Ω  
 Current limit: 70mA

#### Output ripple

< 0.5% of maximum output, peak-to-peak

#### Control input

Suitable for switch contacts, an open collector transistor or logic drive  
 0 = input switch closed, transistor on or <1.4V applied  
 1 = input switch open, transistor off or >4.5V applied

#### Override input

An open collector transistor or a switch connected across the terminals can be used to turn the output off whatever the state of the control input  
 0 = transistor on or switch closed  
 1 = transistor off or switch open

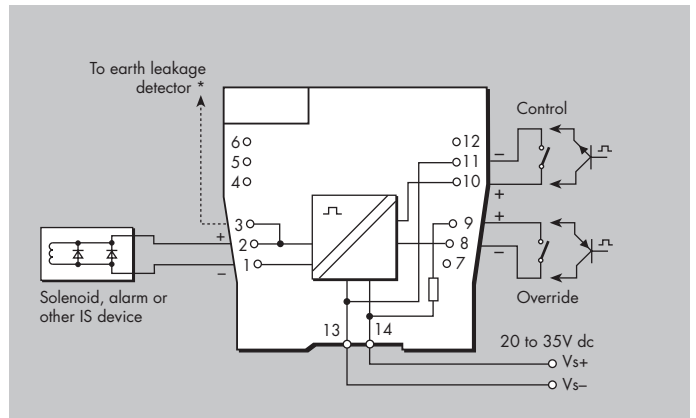
#### Control and override inputs

Control input	Override input	Output state
0	0	off
0	1	on
1	0	off
1	1	off

#### Response time

Output within 10% of final value within 100ms

### MTL4624



#### LED indicators

Green: power indication  
 Yellow: output status, on when output active

#### Maximum current consumption

125mA at 24V dc

#### Power dissipation within unit

1.4W with typical solenoid valve, output on  
 1.9W worst case

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.



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