

# MTL4624S

## SOLENOID/ALARM DRIVER

switch operated with 24V override

The MTL4624S enables an on/off device to be controlled by a volt-free contact or a floating logic signal. It can drive loads such as solenoids, alarms, LEDs and other low power devices. By connecting a second voltage, the output can be disabled to permit, for example, a safety system to override a control signal.

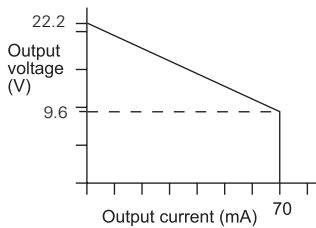
### SPECIFICATION

See also common specification

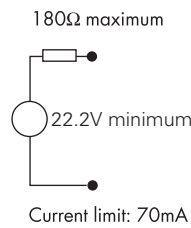
#### Number of channels

One

#### Minimum output voltage



#### Equivalent output circuit



#### Output

Minimum output voltage: 9.6V at 70mA  
Maximum output voltage: 24V from 180Ω  
Current limit: 70mA

#### Output ripple

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

#### Control input (must be fully-floating)

Suitable for switch contacts or an opto-isolator

- 0 = input switch closed, transistor on or < 1.4V applied
- 1 = input switch open, transistor off or > 4.5V applied

#### Override input

A 24V logic signal applied across the terminals allows the solenoid/alarm to be operated by the control input. If it is disconnected, the solenoid/alarm is off.

- 0 = < 2.0V applied across terminals 8 & 9
- 1 = > 9.0V applied across terminals 8 & 9  
(nominal switching point 4.5V)

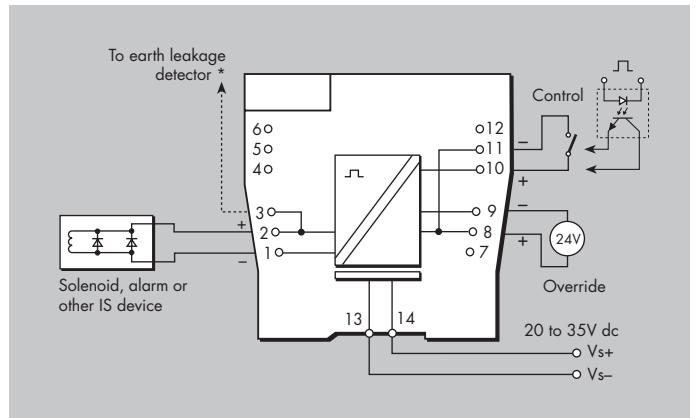
#### Control and override inputs

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

### MTL4624S



#### 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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