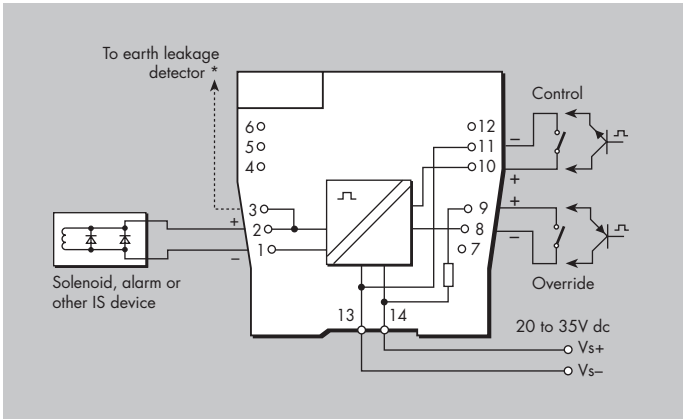
MTL4624
SOLENOID/ALARM DRIVER
switch operated with override

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.

MTL4624

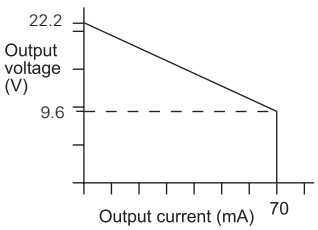


SPECIFICATION

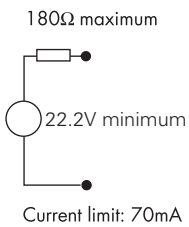
See also common specification

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
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

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