

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.

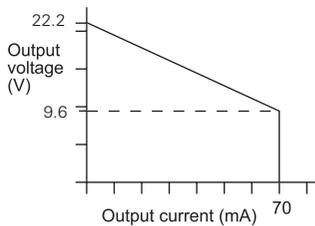
SPECIFICATION

See also common specification

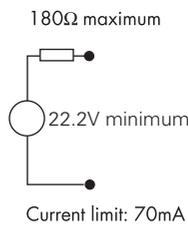
Number of channels

One

Minimum output voltage



Equivalent output circuit



Output

- Minimum output voltage: 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

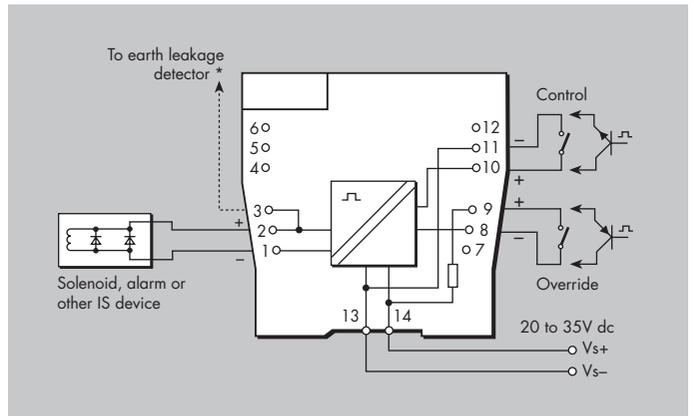
Control and override inputs

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

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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