

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.

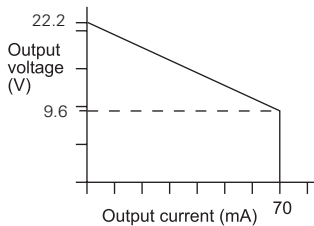
SPECIFICATION

See also common specification

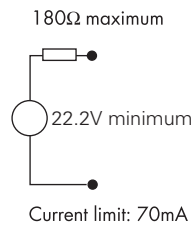
Number of channels

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)

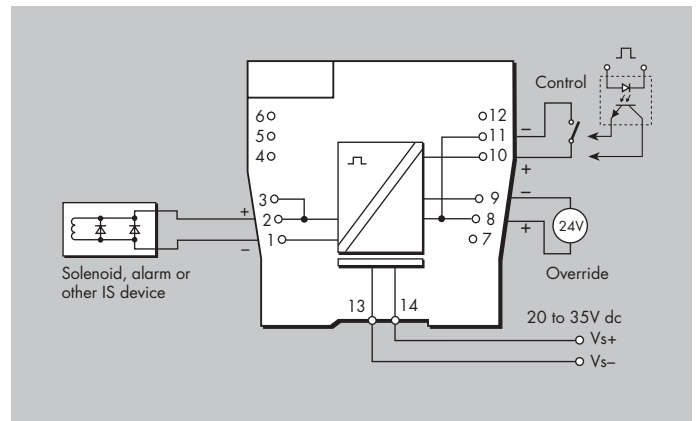
Control and override inputs

| 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.



Powering Business Worldwide

Eaton Electric Limited,
Great Marlings, Butterfield, Luton
Beds, LU2 8DL, UK.
Tel: + 44 (0)1582 723633 Fax: + 44 (0)1582 422283
E-mail: mtlenquiry@eaton.com
www.mtl-inst.com

© 2016 Eaton
All Rights Reserved
Publication No.
EPS4624S Rev 3 010916

EUROPE (EMEA):
+44 (0)1582 723633 mtlenquiry@eaton.com
THE AMERICAS:
+1 800 835 7075 mtl-us-info@eaton.com
ASIA-PACIFIC:
+65 6 645 9888 sales.mtlsing@eaton.com