

# MTL4626

## SWITCH-OPERATED RELAY

### 2-channel switched output

The MTL4626 enables two separate circuits to be contact controlled by one or two, on/off, control inputs. Applications include the calibration of strain-gauge bridges; changing the polarity (and thereby the tone) of a sounder; the testing of fire alarms; and the transfer of signals into an annunciator with input terminals not segregated from each other.

### SPECIFICATION

See also common specification

#### Number of channels

Two, fully floating

#### Input/output characteristics

Contact/Logic mode

(Inputs suitable for switch contacts, an open-collector transistor or logic drive)

Relay energised if < 450Ω or < 1V applied

Relay de-energised if > 5kΩ or > 2V applied (35V max.)

Loop powered mode

Relay energised if >20V

Relay de-energised if <17V

#### Power supply failure protection

Relays de-energised if supply fails

#### Response time

25ms nominal

#### Contacts

1-pole changeover per channel

#### Contact rating

250V dc, 2A

(reactive loads must be suppressed)

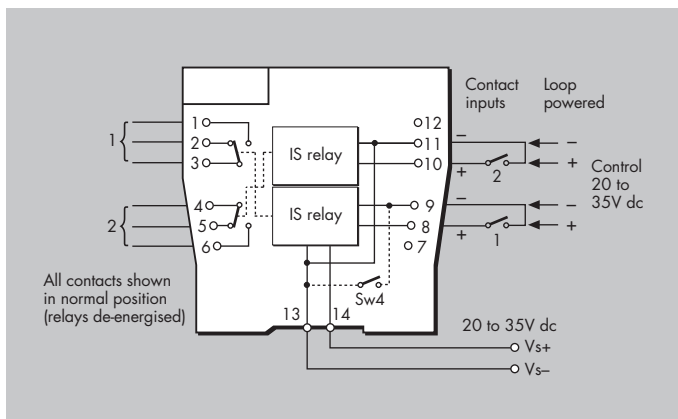
#### Contact life expectancy

10 x 10<sup>6</sup> operations at maximum load

#### Relay drive (see switch setting table)

Choice of "loop-powered" or "contact/logic" control, for both channels, by switch selection. A further switch option ("1in2out") enables either input, in contact/logic mode, to activate both outputs.

### MTL4626



#### LED indicators

Green: power indication

Yellow: two: output status, on when relay energised

#### Power requirement, Vs

41mA at 20V dc

44mA at 24V dc

60mA at 35V dc

#### Power dissipation within unit

1.1W maximum at 24V

#### User switch settings for operating mode

Mode	Function	SW1	SW2	SW3	SW4
Contact/Logic	2 ch	Off	On	On	On
	Input	1in2out	On	On	On
Loop Powered	2 ch	Off	Off	Off	Off

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.  
EPS4626 Rev 4 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