



30 to 10V Converter (CW)

1. Product Overview

Thank you for purchasing the 30 to 10 V Converter (CW Operation). If you have any problems or require help when using the converter please call us on +44 (0)1495 212213 or contact your local representative.

Global Laser's 24 Volt in-line adaptor provides a compact reliable solution to allow a wide range of laser diode modules to be powered from an industry standard 24 Vdc supply. The solid state technology design transforms unregulated dc voltage in the range of 11 to 30 Vdc, which is generally found in industrial machines, to a regulated 10 Vdc supply suitable for the reliable operation of laser diode modules.

The in-line design keeps any heat generated isolated from the laser diode, thus ensuring reliability and maintaining laser diode lifetime. The compact 14mm diameter aluminium housing is voltage potential free, but allows good thermal contact for heat dissipation. Reverse polarity protection is also provided.



2. Product Operation

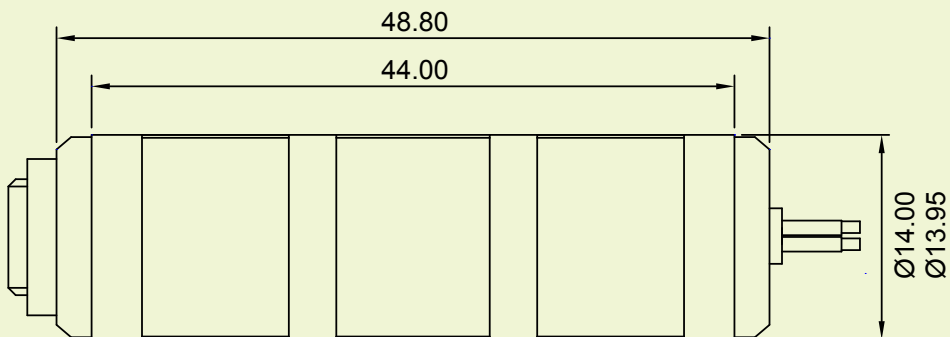
Models fitted with a DC Socket and Two Flying Leads (5028-15 & 5028-16)

Connect the lead from the laser into the DC socket on the converter.

To operate laser in CW mode the brown & black leads should be connected to the following:

Brown Lead	+11 to 30 V dc
Black Lead	0 V dc

DC Socket and Two Flying Leads Outline



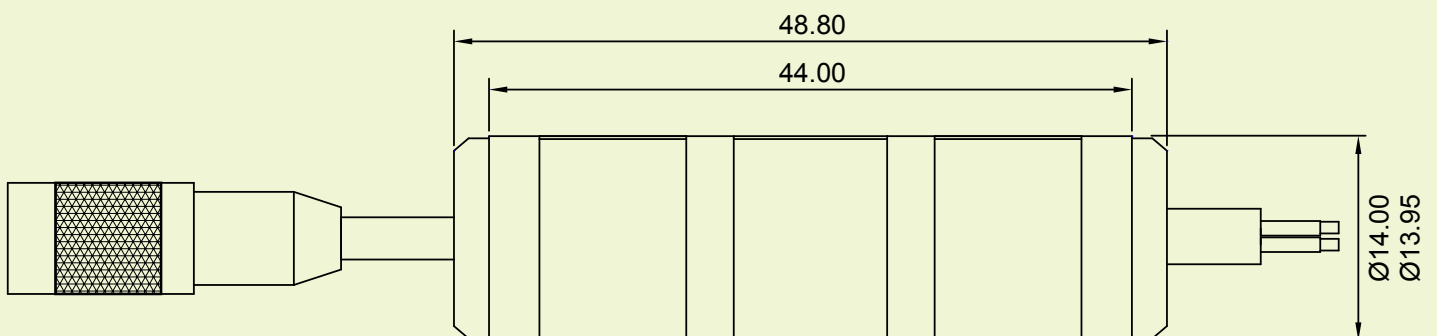
Models fitted with a Binder Connector and Two Flying Leads

Connect the lead from the laser into the Binder connector on the converter.

To operate laser in CW mode the brown & black leads should be connected to the following:

Brown Lead	+ to 30 V dc
Black Lead	0 V dc

Binder Connector and Two Flying Leads Outline



Models fitted with a Flying Leads at each end

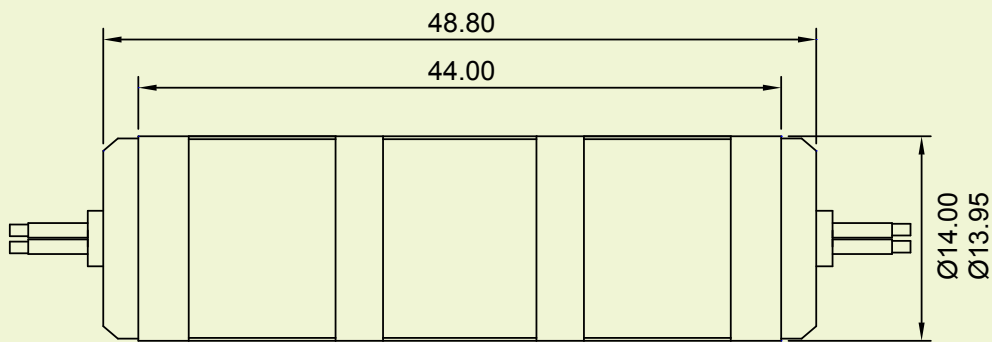
The laser should be connected to the red and black leads.

Red Lead	+10 V dc
Black Lead	0 V dc

To operate laser in CW mode the brown and black leads should be connected to the following.

Brown Lead	+11 to 30 V dc
Black Lead	0 V dc

Flying Leads at Each End Outline



3. Important Notice

The case temperature range should be kept within the range of -10 to +55° at all time. Failure to do so will result in the converter shutting down.

Notes

Please Note: Global Laser reserve the right to change descriptions and specifications without notice.



9090-02-162 Rev 1 28/11/2019

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