

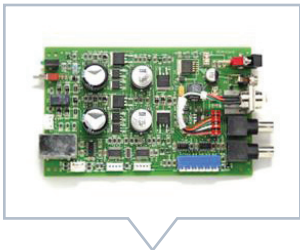


UNIBLITZ®

Electro-Programmable Shutter Systems

UNIBLITZ® N-CAS® VDM1000B Open Frame Shutter Driver Specifications

Overview



The VDM1000B is the optimal driver for the new **UNIBLITZ® N-CAS®**, NS series shutters. The driver has user-selectable function switches allowing it to handle a variety of shutter configurations. It will operate a **N-CAS®**

shutter in a uni-stable mode (normally open or normally closed), or bi-stable mode where no power is required to hold the shutter open or closed. In addition to this capability, the **N-CAS®** return driver circuit can be disabled, allowing the VDM1000 to operate standard LS, VS, and CS series shutters.

The VDM1000B operates from a user supplied +36VDC power supply. It can easily be integrated into OEM applications where +36VDC is available.

Features

- RoHS Compliant
- Microprocessor controlled
- Open frame printed circuit card suitable for OEM applications. Can fit in a 3U EURO CARD SLOT (See Figure 1)
- Operates N-CAS® shutter in a bi-stable or uni-stable mode
- 5-pin Switchcraft locking shutter interface connector.
- 510A Interconnect cable required for shutter interface, not included. (5-pin male Switchcraft to 5-pin female Switchcraft, 3 meters.)
- Operates existing UNIBLITZ® shutters such as LS, VS and the CS series, 710A interconnect cable required, not included. Will also operate the new bi-stable DSS series (special interconnect cable required).
- N.O./N.C. switch for normally open or normally closed shutter operation
- LED's for power, driver, and sync active indication
- Exposure determined by external pulse (BNC, TTL) or switch contact closure to PULSE INPUT BNC
- SYNC OUTPUT BNC can be selected for either active-low or active-high
- PULSE INPUT BNC can be selected for either active-low or active-high
- RS-232C input and output connection accessible via dual RJ45 connector
- RS-232C input addressable via 8 selectable addresses
- Up to 8 units can be controlled independently from one computer serial port
- Units can be easily daisy chained with optional RJ45 cable, 810RJ, not included
- Status of electronic sync available from SYNC OUTPUT BNC (TTL) and can be read back from RS-232 interface
- Synchronization system can be disabled via user-selectable function switch
- Selectable pulse energy for operation of large aperture shutter devices, which require additional high-energy pulse for their operation
- Selectable pulse high current duration for specific shutters via 8-position select switch

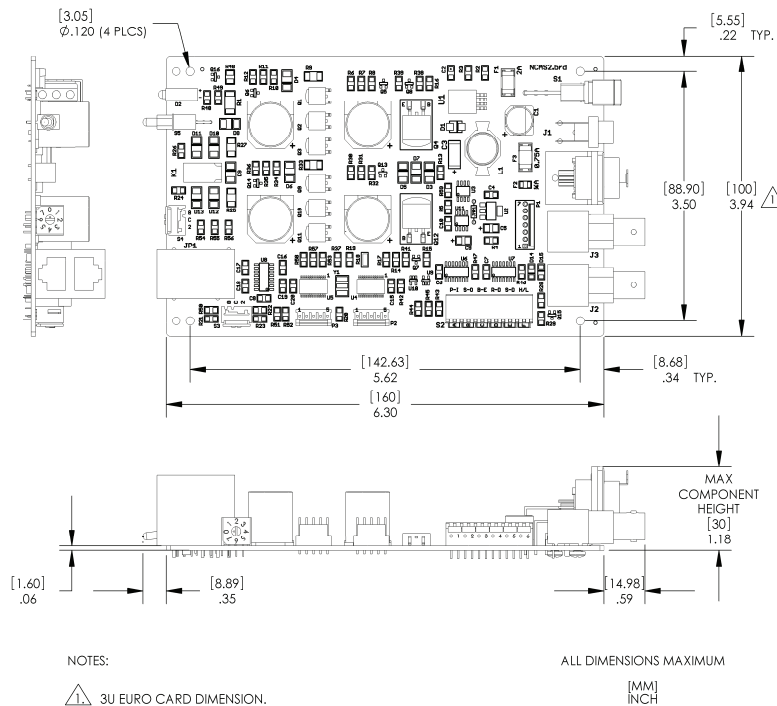
Features Continued

- Internal fuse protection for all DC output voltages (including shutter)
- Operates on +36VDC at 1.83A, Fuse protected
- Power input to controller via 2.0 mm jack, on/off control with rocker switch
- +36VDC external power supply, PS36, not included
- 3U Euro Card PCB outline
- Size (HWD) 1.20 x 4.00 x 6.30 in. (30.0 x 100.0 x 160.0 mm)
- Weight 6.40 oz (0.18kg)

Options

- **510A** Shutter Cable for the NS Series (5-pin male Switchcraft to 5-pin female Switchcraft, 3 meters.)
- **PS36** +36VDC/1.83A Power Supply
- **5103C** shutter cable (5-pin male SWC to 3-pin female Positronic)
- **710A** shutter cable (7-pin female WPI to 5-pin male SWC)
- **710R** remote hand-held trigger cable (used with active-low BNC)
- **710R/F** remote foot-switch trigger cable (used with active-low BNC)
- **810RJ RS-232C** interconnect serial cable (RJ45 connections)
- **910RJF** female DB9 to RJ45 adapter (used with 810RJ and PC)
- **910RJM** male DB9 to RJ45 adapter (used with 810RJ & VMM driver)

VDM1000B – Drawing



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