

# VDM1000 Single Channel Bi-stable/Uni-stable Driver

## Features

- The VDM1000 is the optimal driver for the UNIBLITZ® N-CAS® NS series shutters
- Normally-open or normally-closed shutter operation in uni-stable mode, operates in bi-stable mode as well.
- Up to 8 units can be controlled independently from one computer serial port. Units can be easily daisy chained with an 810RJ cable (please see "Available Accessories").
- Exposure determined by external pulse (BNC, TTL) or switch contact
- RS-232C input and output connection accessible via dual RJ45 connector
- Operates on +36VDC, fuse protected. Power input to controller via 2.0mm jack, on/off control with rocker switch
- Indicators for power, driver, and SYNC status.
- 510A shutter interconnect cable included (5-pin male Switchcraft to 5-pin female Switchcraft, 3 meters).
- 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 time select rotary octal switch.
- 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



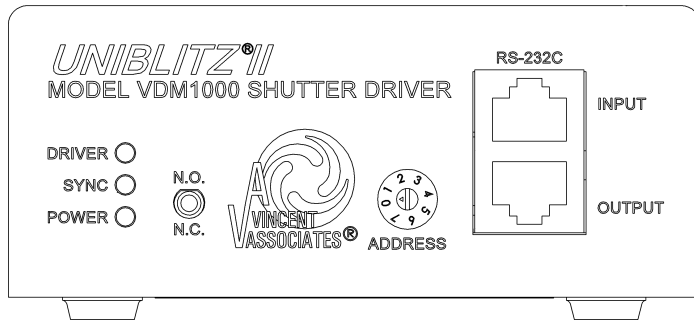
*Fig. 1 VDM1000 Single Channel Bi-stable/Uni-stable Driver*

## Available Accessories

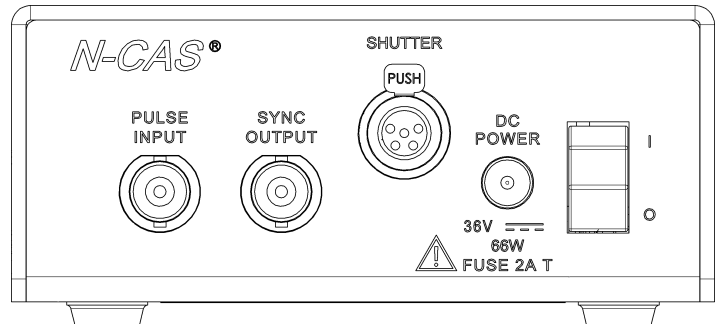
- **710A** (7-pin female WPI to 5-pin male SWC)
- **710R** (BNC male to hand held pushbutton switch)
- **710R/F** (BNC male to foot activated switch)
- **810RJ** (8-pin RJ45 male to 8-pin RJ45 male)
- **910RJF** (Adapter, RJ45 to DB-9F)
- **910RJM** (Adapter, RJ45 to DB-9M)
- **5M203D** (5-pin male SWC to 2-pin JST)

### Drawings

**Front Panel**



**Rear Panel**



### Compatibility

The VDM1000 is compatible with the following UNIBLITZ® shutter devices:

VS	LS	CS	DSS	TS	NS	XRS
VS14 <sup>1</sup>	LS2 <sup>1</sup>	CS25 <sup>1</sup>	DSS10 <sup>2</sup>	TS2B <sup>2</sup>	NS15B <sup>2</sup>	XRS6
VS25 <sup>1</sup>	LS3 <sup>1</sup>	CS35 <sup>1</sup>	DSS20 <sup>2</sup>	TS6B <sup>2</sup>	NS25B	XRS14
VS35 <sup>1</sup>	LS6 <sup>1</sup>	CS45 <sup>1</sup>	DSS25 <sup>2</sup>		NS25S	XRS25 <sup>2,3</sup>
		CS65 <sup>1</sup>			NS35B	
		CS90HS <sup>1</sup>			NS45B	
					NS65B	

Use with shutter devices other than those listed to the left is not recommended. Please contact us for further information.

<sup>1</sup> 710A Interconnect required for operation with this shutter device.

<sup>2</sup> Special Interconnect required for operation with this shutter device. Please contact technical support for more information.

<sup>3</sup> This device requires two drivers for operation.

### Specifications

- Controller  
Size (HWD) 1.96 x 4.34 x 7.23 inches (49.9 x 110.3 x 183.6 mm)  
Weight 1.20 lbs (0.54 kg)
- Power Supply  
Size (HWD) 1.80 x 3.00 x 5.8 inches (45.7 x 76.2 x 147.3 mm)  
Weight 1.10 lbs (0.50 kg)  
+36VDC at 1.83A, 66W
- RoHS Compliant
- CE/UL/CSA certification

For information regarding applicable intellectual property, please visit [www.uniblitz.com/patents](http://www.uniblitz.com/patents).

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