Uniblitz® VCM-D1

Single-Channel Uni-Stable Shutter Controller

Overview

For nearly 15 years, the Uniblitz VCM-D1 has been providing high-performance shutter control. This single-channel, uni-stable driver is versatile and proven, and it's compatible with many Uniblitz shutters. In addition to direct shutter control via the BNC inputs, shutters can also be controlled via RS-232C computer serial ports, allowing up to 8 separate driver units to be daisy-chained (810RJ cables required).

See the **VCM-D1 User Manual** for additional information regarding this device. The VCM-D1 is **RoHS compliant** and **CE certified**.

What's Included

- VCM-D1 Shutter Driver
- Manual (included on flash drive)
- **710A** Cable (3.0 m)
- Line Cords (USA and Euro)
- Fuses (2) (0.25 AMP S-B)
- Key Switch Keys (2)

Need Support? Please **visit our website** or email us at **info@uniblitz.com**.

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Updated 1/17 | Datasheet Version 5.0 | ©2017 Vincent Associates

Shutter Compatibility

CS	DSS	LS	NS	TS	VS	XRS
CS25		LS2			VS14	XRS6
CS35		LS3			VS25	XRS14
CS45		LS6			VS35	XRS25 [1]
CS65						
CS90						

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

[1] *Will require two drivers for operation.*

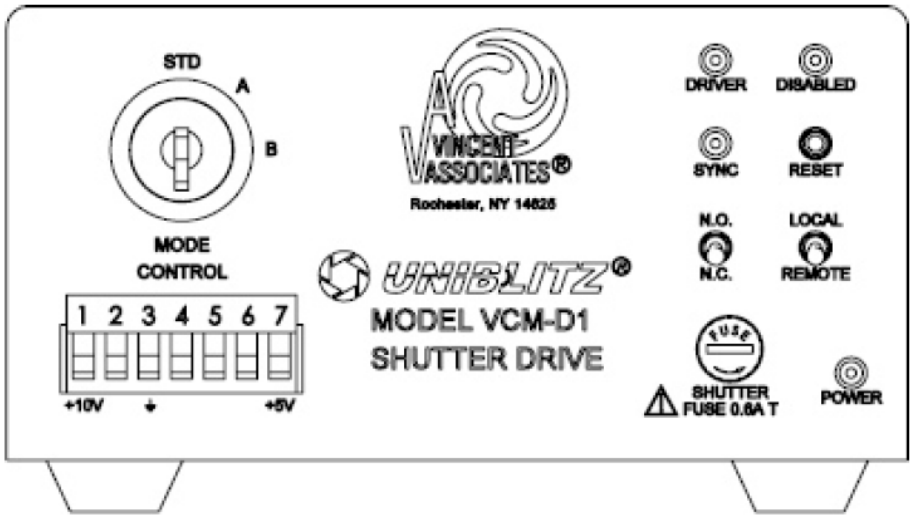
Operation Modes

STD - Standard shutter operation:
Exposure is determined by an external pulse source or switch contact closure.

A - Line interrupt mode:
When a loss of line power is detected, the VCM-D1 powers down. When power is restored, it must be manually or remotely reset to resume standard operation.

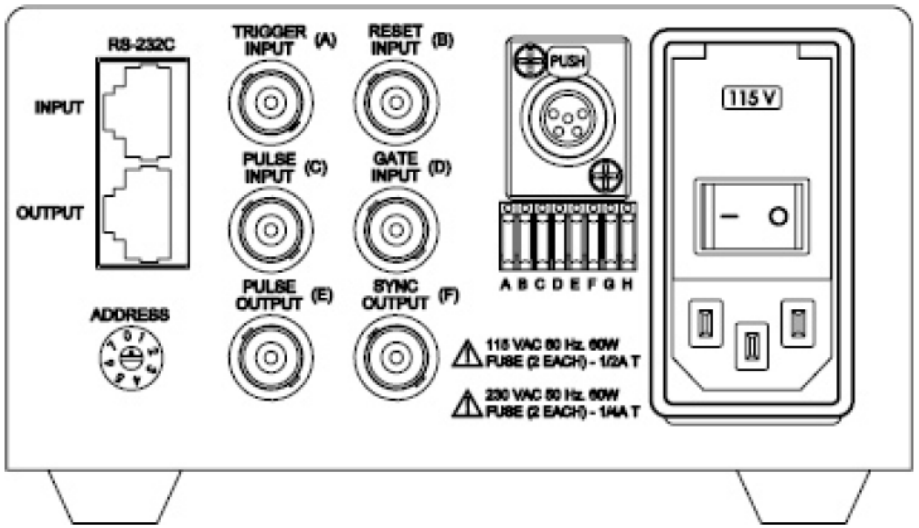
B - DC interrupt:
Detects a break in external switch contact. When continuity is restored, it must be manually or remotely reset to resume standard operation.

Device Layout



Front Panel

LED indicators reveal shutter status at a glance, while the MODE key switch will set the unit to a specific interrupt mode not allowing an inadvertent change in setting once the key is removed. Additional interrupt functions are available at the MODE CONTROL 7-PIN pluggable connector. The AUX out-put and +5 VDC output are also available at the MODE CONTROL connector.



Rear Panel

All main input/output functions can be accessed at the VCM-D1 rear panel, including the 115/230VAC input which is manually selectable. BNC connectors allow for quick termination of TTL command signals. Function switches A-F determine the active state of the BNC inputs or outputs (high or low level active). Function switch H selects HIGH/LOW energy level. Function switch G will disable the SYNC output BNC and disable the IR emitter of the synchronization circuit within the shutter used.

Technical Specifications

Size (H x W x D)	Weight
2.73 x 5.41 x 8.18 inches (69.3 x 137.4 x 207.8 mm)	3.5 lbs (1.59 kg)

Power
115 / 230 VAC, 50 - 60 Hz, 60 W

Product Options

VCM-D1 ❷	Ex: VCM-D1J

❶ Driver:

- **VCM-D1**

❷ Japan Modification:

- **J:** Included
- Leave blank if not required

Uniblitz® VED24

Single-Channel Bi-Stable/Uni-Stable Shutter Controller

Overview

The Uniblitz VED24, or Versatile Electronic Driver, provides simple, straightforward shutter control. The device is compatible with both uni-stable and bi-stable shutter devices. Operation options include manual shutter control, external triggering, and remote computer interfacing. Exposure is determined by external pulse (Active-Low, TTL), computer interface, or switch contact.

See the **VED24 User Manual** for additional information regarding this device. The VED24 is **RoHS compliant** and **CE Certified.**

What's Included

- VED24 Shutter Driver
- Manual (included on flash drive)
- **PS24** +24 VDC, 40W, Power Supply w/ US line cord
- **510F** Shutter Interconnect Cable (3.0 m)
- **USB-AB** Cable (1.0 m)
- **5M203D** Adapter
- **701A-S5** Adapter

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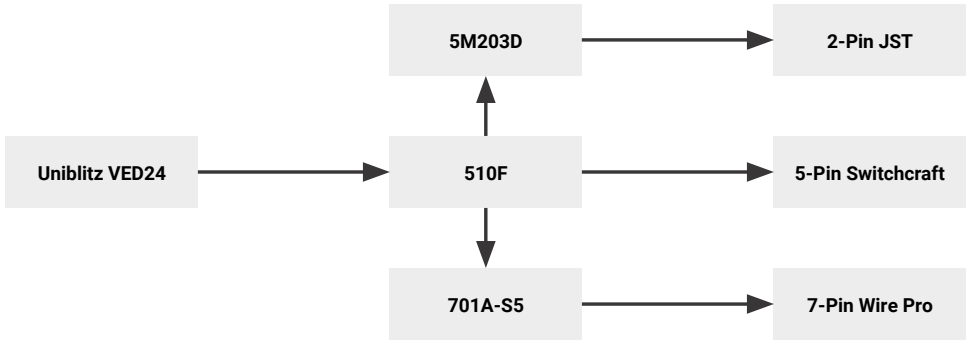
Shutter Compatibility

CS	DSS	ES	LS	NS	TS	VS	XRS
CS25 [1]	DSS10B	ES6B	LS2 [1]	NS15B	TS2B	VS14 [1]	XRS6 [1]
CS35 [1]	DSS20B		LS3 [1]	NS25B	TS6B	VS25 [1]	XRS14 [1]
CS45 [1]	DSS25B		LS6 [1]	NS25S [1]		VS35 [1]	XRS25 [1]
CS65 [1]	DSS35B			NS35B			
CS90 [1]				NS45B			
				NS65B			

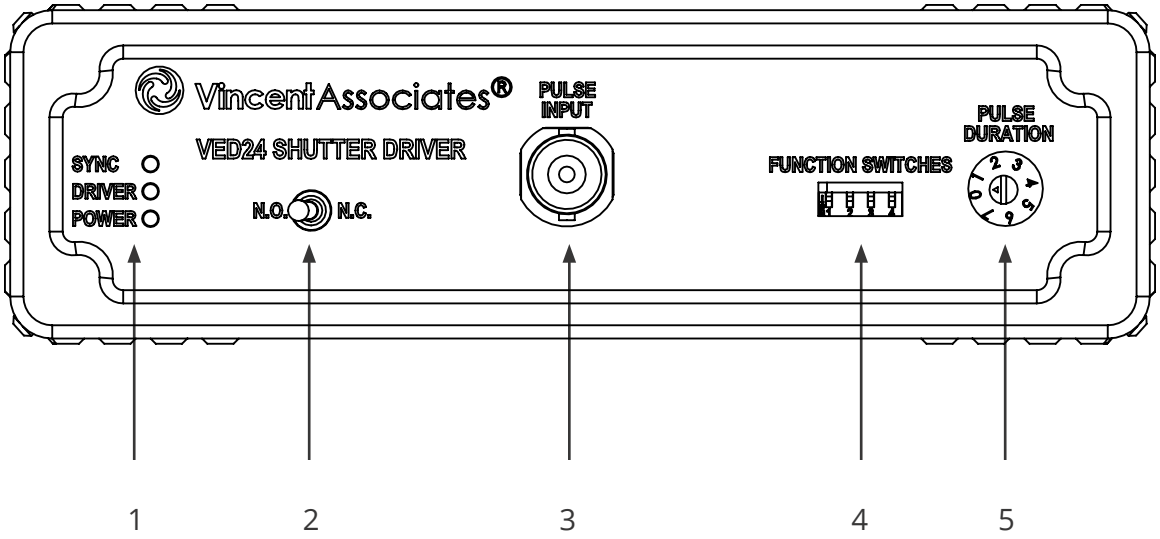
[1] *Will require "E" option for VED24 compatibility.*

Shutter Interfacing

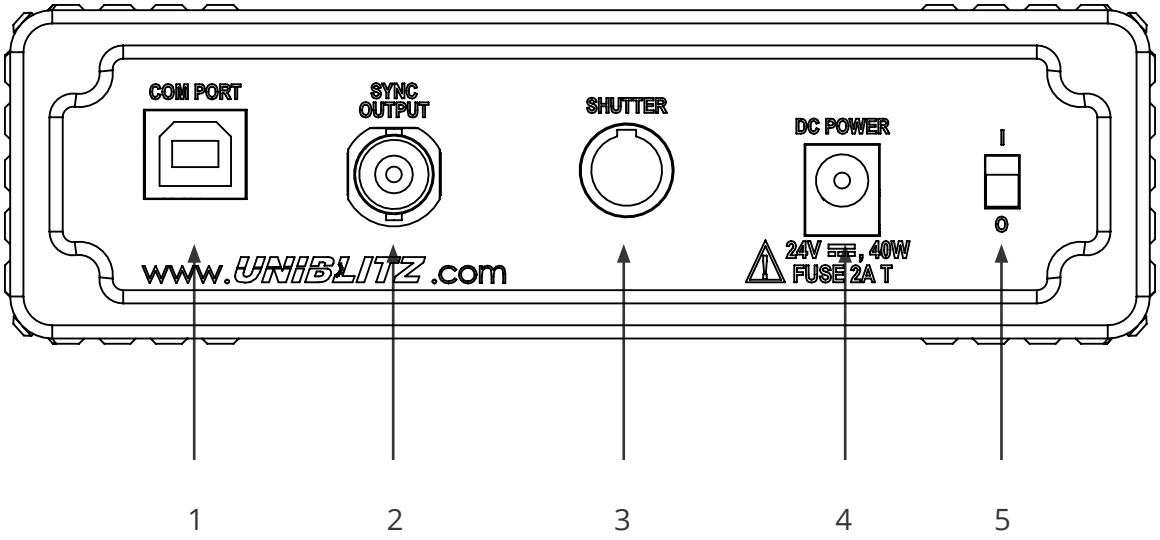


This graphic (left) shows how the VED24 should be interfaced with various shutters devices/shutter connectors using the included adapters and interconnect cable.

Device Layout



1. LED for power, driver, and sync status
2. Toggle switch for Normally Open/ Normally Closed operation
3. Pulse input BNC is an Active-Low TTL input signal
4. Local/Remote, Voltage Select, Bi-Stable/Uni-Stable, and Time Select Function switches
5. Selectable timing widths for specific shutters via Pulse Duration rotary octal switch



1. USB Type-B receptacle for computer interface control
2. Sync Output BNC is an Active-High TTL output signal
3. Shutter Interconnect - 5-pin male Switchcraft connector
4. 2.0mm DC jack - Accepts +24VDC, fuse Power ON/OFF slide switch
5. Power ON/OFF slide switch