DORGEAN
Beijing Dorgean Electronic Technology Co.,Ltd

Instrument Expert
Original factory packaging
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Uniblitz® VLM1

Interface Module for FS Series Shutters

Overview

The Uniblitz FS series shutters do not require a driver for operation (only +5V to open and 0V to close), so for applications that require remote operation of the shutter from a TTL signal or USB interface, the VLM1 Interface Module is available.

This device also offers an optional Electronic Sync interface along with a SYNC Output BNC. Additionally, the device can be operated using a USB interface which will use the computer's power to operate the VLM1 and the attached shutter.

Need Support? Please <u>visit our website</u> or email us at <u>info@uniblitz.com</u>.

Tel: <u>585-385-5930</u> | Toll-Free: <u>800-828-6972</u> | Fax: 585-385-6004 | 803 Linden Ave. Rochester, NY 14625
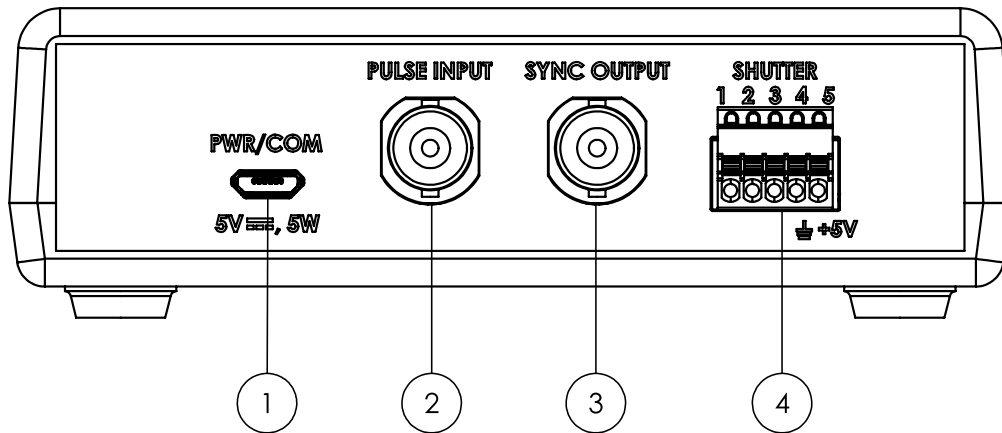
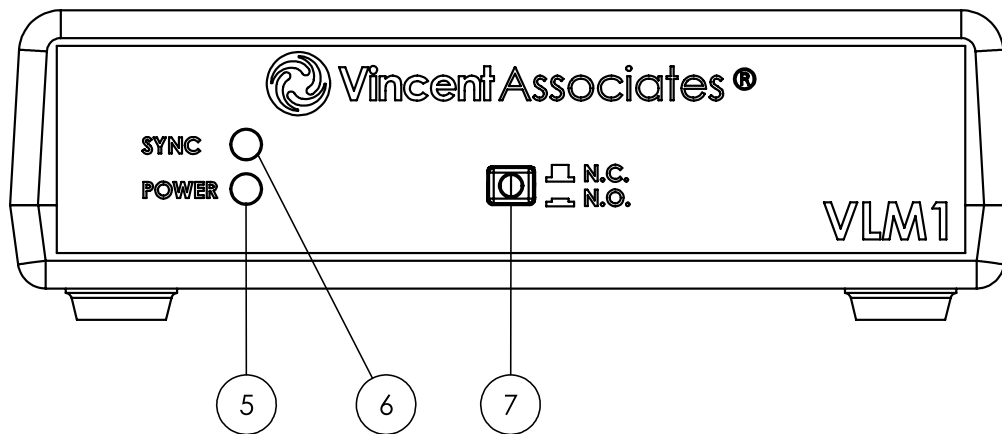Updated 1/21 | Datasheet Version 5.3 | ©2021 Vincent Associates

What's Included

- VLM1 Interface Module

- Manual (included on flash drive)

- **USB5** +5V 1A (5W) USB Power Supply

- USB A 2.0 to USB Micro B Cable

- Micro Screwdriver (to install shutter leads)
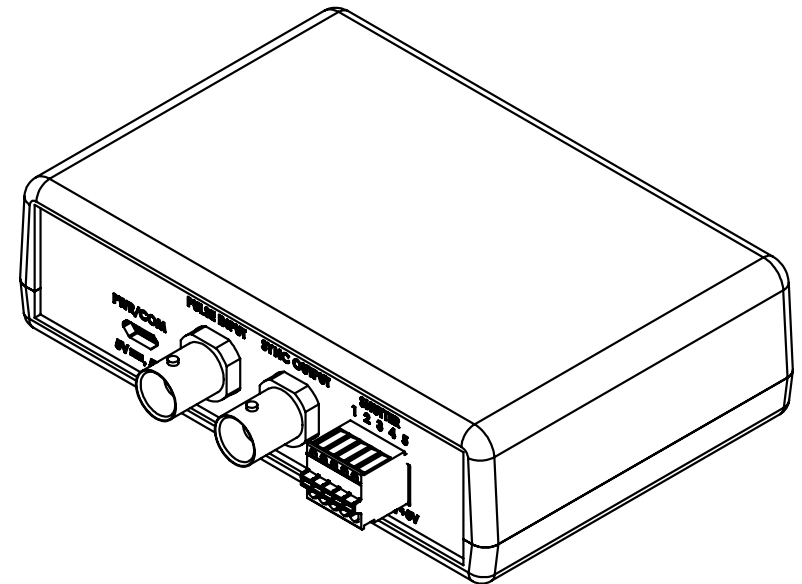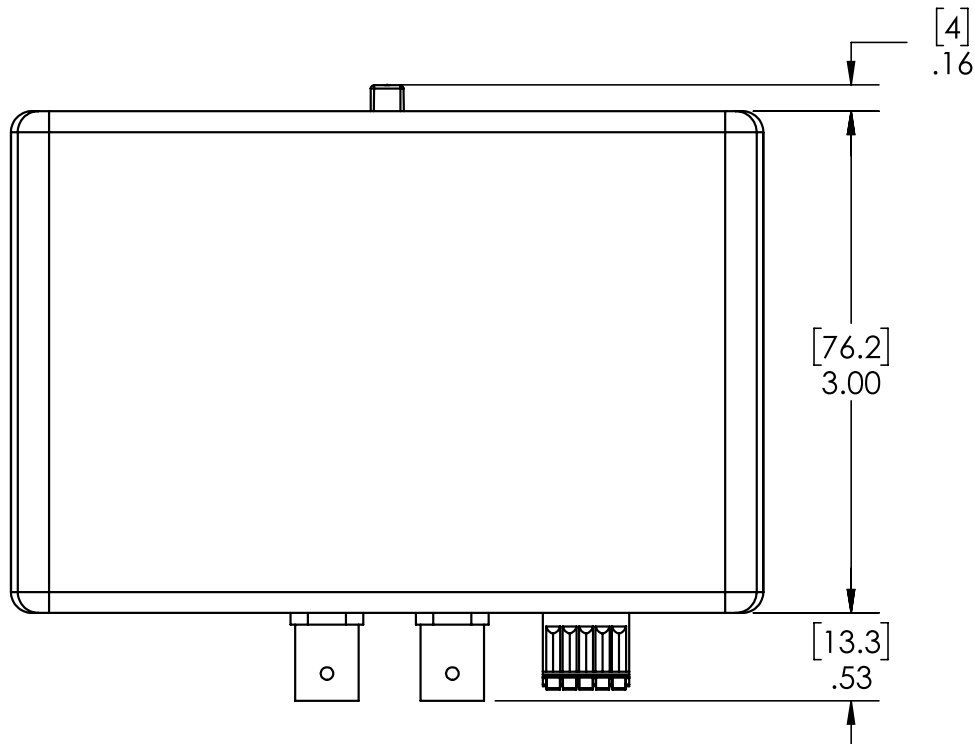
Features and Functionality

Rear Panel

Front Panel

1. **USB/Power Input:** +5VDC 0.5A min (USB5 +5VDC 1A wall adapter included). A USB interface cable (USB A 2.0 to USB Micro B) is included for use with the USB5 power supply, or it can be connected to a computer to supply power and data.
2. **Pulse Input BNC** for shutter control via a +5V TTL signal – pulse width determined exposure time. Active High or Active Low (default) is selectable with an internal jumper.
3. **Sync Output BNC** for shutters equipped with electronic sync systems. Active High (default) or Active Low is selectable with an internal jumper.
4. **5-Pin Pluggable Spring Terminal** for shutter termination and sync system interface. The flying leads from the FS series shutters can connect directly to this terminal (no adapter is necessary).
5. **LED Power Indicator**
6. **LED Sync Status Indicator** (if shutter is equipped with a sync system)
7. **Manual Shutter Open/Close Switch:** Push to open and push again to close the shutter. A green LED on the push-button indicates when the driver is active.

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Technical Drawing - VLM1 Layout

[4]
.16

[76.2]
3.00

[13.3]
.53

PWR/COM
SYNC
PULSE INPUT
SYNC OUTPUT
SHUTTER
1 2 3 4 5

ALL DIMENSIONS
[MM]
INCH

[114.3]
4.50

PWR/COM
5V, 5W

PULSE INPUT

SYNC OUTPUT

SHUTTER
1 2 3 4 5

+5V

[35.3]
1.39

[31.8]
1.25

Vincent Associates ®

SYNC
POWER

N.C.
N.O.

VLM1