Uniblitz[®] V880

C Polytec

Open-Frame Multifunction Shutter Driver

Overview

The Uniblitz V880 is a versatile shutter driver/ controller that operates using a constant voltage drive. Two additional modes (10.7V and 18V) are similar to the settings of the VED24 driver and contain some expanded drive pulse durations. Additionally, its unique design provides on-board selection to operate all shutter devices within our extensive line of Uniblitz performance shutter systems.

Repeat Exposure Minimum time between exposures is determined by shutter used and drive pulses selected. Shutter Drive Continuously variable exposure frequency from DC to the shutter's maximum rate • Drive pulses for all shutters derived from on-board PIC processor • Bi-stable driver – H-Bridge Control • Uni-stable driver – ½ H-Bridge • D880C Emulation Mode – Constant voltage drive system. High current -1.2A, Hold current – 300mA. Power Supply • +24 VDC regulated ±2% • 1.5A minimum User supplied or optional PS24 available

General Characteristics

Weight	74.0 g
Size (HWD) w/ TS1 installed	1.91 x 8.26 x 11.56 cm
Operating Temp.	5 - 40 °C
Storage Temp.	-20 - 55 °C

Key Features

- Open-frame printed circuit card suitable for OEM applications
- RoHS Compliant
- Compatible with all Uniblitz shutter devices
- **510P** shutter interconnect cable included
- Two sync outputs for shutters equipped with a dual synchronization systems
- Replaces **D880C Driver**



Specifications

System Characteristics

Shutter Compatibility

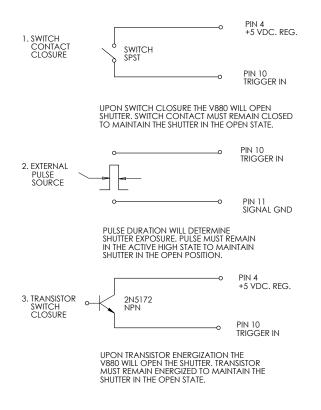
Please see the **V880 User Manual** for specific compatibility settings for each Uniblitz shutter device.

CS	DSS	ES	FS	LS	MS	NS	VS	XRS
CS25 ¹	DSS10B	ES6B		LS2 ¹		NS15B	VS14 ¹	XRS6 ¹
CS35 ¹	DSS20B			LS3 ¹		NS25B	VS25 ¹	XRS14 ¹
CS45 ¹	DSS25B			LS6 ¹		NS35B	VS35 ¹	XRS25 ^{1, 2}
CS65 ¹	DSS35B					NS45B		
CS90 ¹						NS65B		
						NS25S		

¹ Will require "E" option ("For use with VED24, V880, or D880C") for V880 compatibility.

² Will require two V880 drivers for operation.

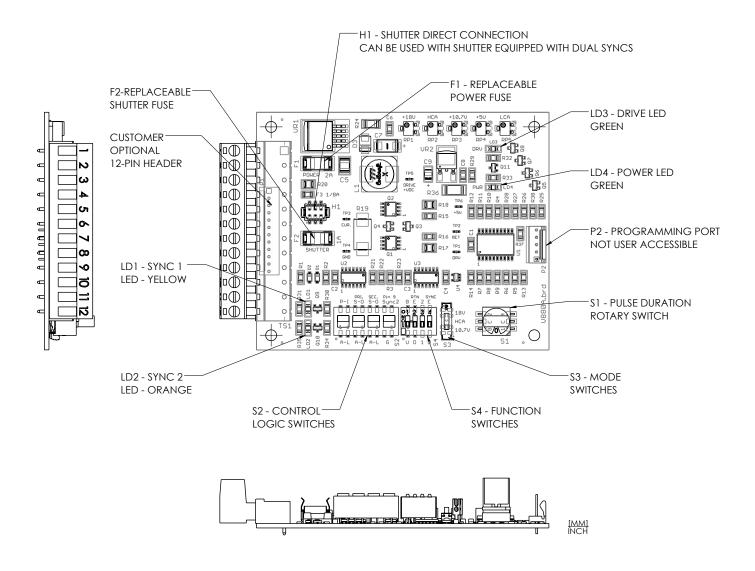
Control Input Diagram



There are three methods for triggering a shutter using V880 control: Switch Contact Closure, External Pulse Source, and Transistor Switch Closure. All of the triggering methods assume an Active High input on TS1 Pin #10. This is set by switch position of S2-1. S2-1 select switch must be set to the P-I setting. See the **V880 User Manual** for more information.

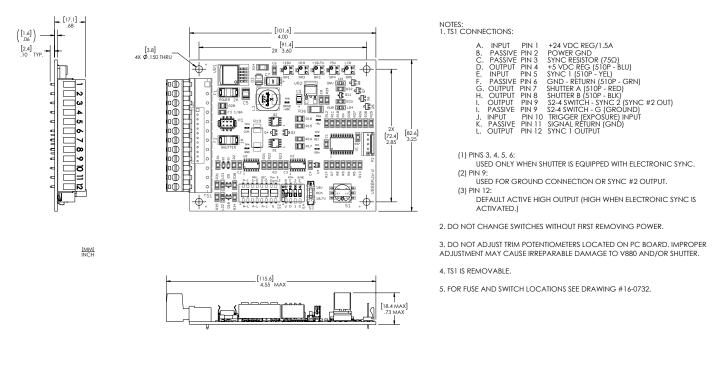
Uniblitz[®] V880 Technical Drawings

Jumper/Connection Location and Layout

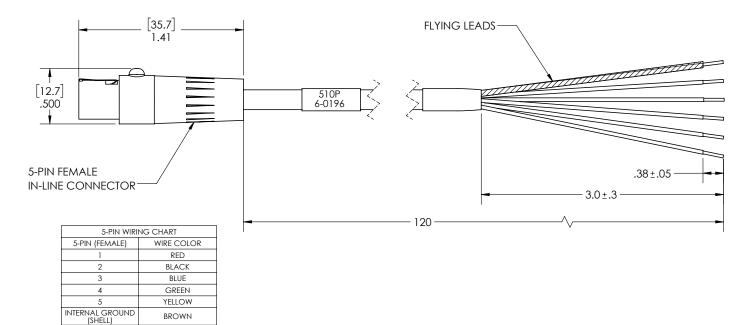


- 1. SEE V880 OPERATOR CONTROL SWITCHES. TABLE #1, #2, #3
- 2. SEE H1 PIN OUT

Printed Circuit Board Outline and Connections



510P Shutter Interconnect Cable (Included)





Polytec France S.A.S. Technosud II Bâtiment A 99 Rue Pierre Semard 92320 Châtillon Tel. +33 1 49 65 69 00 info@polytec.fr

Contacts : PHOTONICS/VISION

Christophe COURTOIS Tel. +33 1 49 65 69 03

c.courtois@polytec.fr

Polytec GmbH (Germany)

Polytec-Platz 1-7 76337 Waldbronn Tel. +49 7243 604-0 info@polytec.de

Polytec GmbH (Germany) Vertriebs- und Beratungsbüro Schwarzschildstraße 1 12489 Berlin Tel. +49 30 6392-5140

Polytec, Inc. (USA) North American Headquarters 16400 Bake Parkway Suites 150 & 200 Irvine, CA 92618 Tel. +1 949 943-3033 info@polytec.com

Central Office 1046 Baker Road Dexter, MI 48130 Tel. +1 734 253-9428

East Coast Office 25 South Street, Suite A Hopkinton, MA 01748 Tel. +1 508 417-1040

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Polytec Japan Arena Tower, 13th floor 3-1-9, Shinyokohama Kohoku-ku, Yokohama-shi Kanagawa 222-0033 Tel. +81 45 478-6980 info@polytec.co.jp

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Polytec Ltd. (Great Britain) Lambda House Batford Mill Harpenden, Herts AL5 5BZ Tel. +44 1582 711670 info@polytec-ltd.co.uk

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Polytec China Ltd. Room 1026, Hanwei Plaza No. 7 Guanghua Road Chaoyang District 100004 Beijing Tel. +86 10 65682591 info-cn@polytec.com

Polytec South-East Asia Pte Ltd Blk 4010 Ang Mo Kio Ave 10 #06-06 TechPlace 1 Singapore 569626 Tel. +65 64510886 info@polytec-sea.com