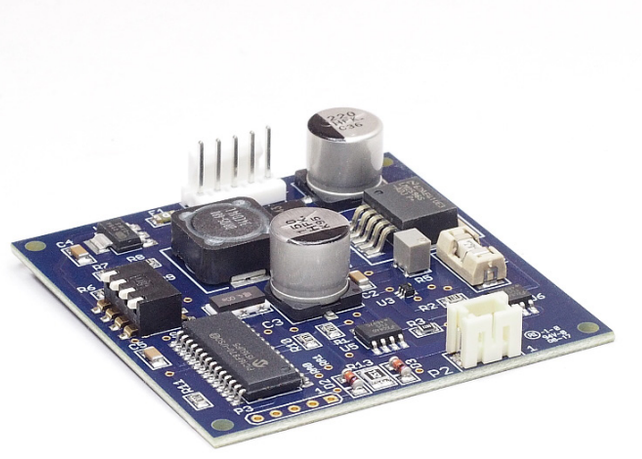
Uniblitz® ED12DSS

Open Frame Single-Channel Bi-Stable Shutter Driver



Overview

The Uniblitz ED12DSS is an open-frame, bi-stable shutter driver well-suited for integration into OEM applications. Installation requires a connection to a user-supplied power supply and input and output harness connectors, and the selection of the open and close pulse duration using the on-board 4-position piano switch. The TTL pulse duration determines the shutter's exposure time.

See the **ED12DSS User Manual** for additional information regarding this device. The ED12DSS is **RoHS compliant.**

What's Included

- ED12DSS Shutter Driver
- Manual (included on flash drive)
- **203D** Shutter Interconnect Cable (1.0 m)
- **ED-IOP** Input Cable

Optional

- **PS12** +12 VDC, 25W, Power Supply w/ US line cord

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

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Shutter Compatibility

CS	DSS	ES	LS	NS	TS	VS	XRS
	DSS10B	ES6B		NS15B [1]	TS2B		
	DSS20B			NS25B [1]	TS6B		
	DSS25B			NS35B [1]			
	DSS35B			NS45B [1]			

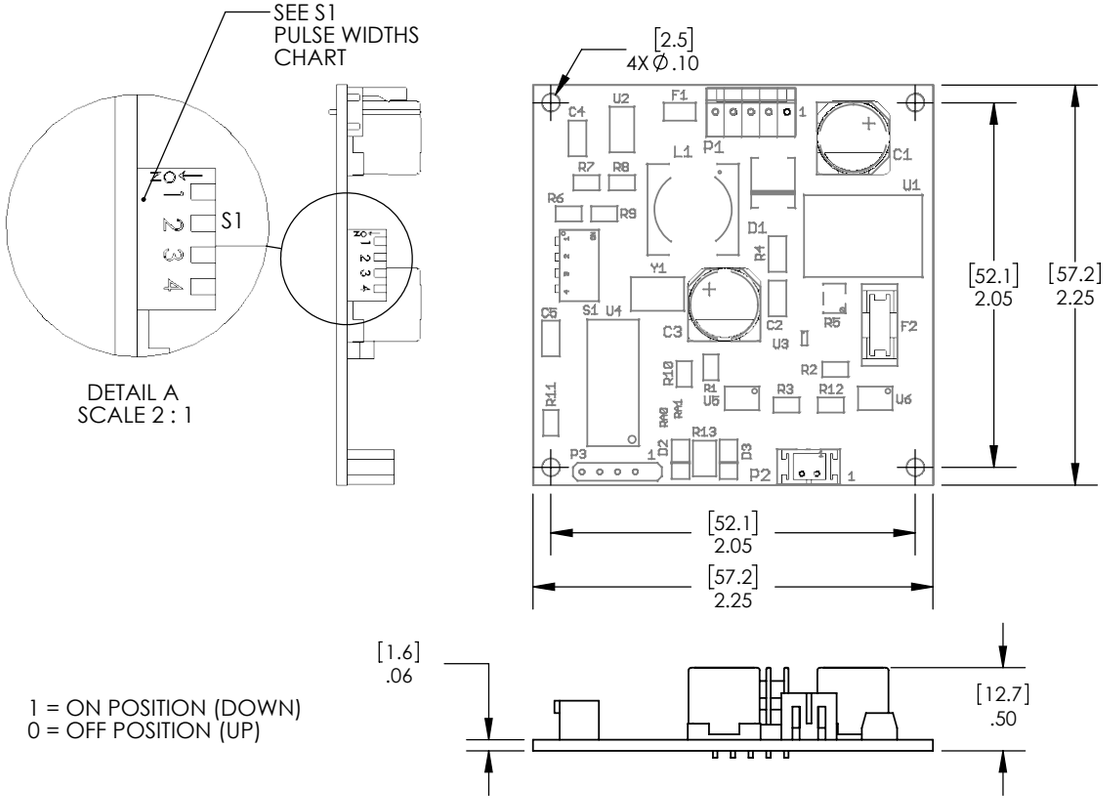
[1] *Will require "ED" option ("For use with ED12DSS...") for ED12DSS compatibility.*

Technical Specifications

System Characteristics	
Repeat Exposure	Minimum time between exposures is determined by shutter used and open close pulse duration.
Shutter Drive	Continuously variable frequency of exposures from DC to the shutter in operation maximum rate.
Trigger Input	• Active-high • TTL Compatible

General Characteristics	
Size (HWD)	0.50 x 2.25 x 2.25 " (12.7 x 57.2 x 57.2 mm)
Weight	0.73 oz (21.00 g)
Power input	+12VDC to +24VDC at 1.5A (user supplied)

Device Layout & Pin Connections



1 = ON POSITION (DOWN)
0 = OFF POSITION (UP)

S1 (OPEN/CLOSE) PULSE WIDTHS					
1	2	3	4	TIME SELECT	CORRESPONDING SHUTTER SETTING
0	0	0	0	5msec	TS2B
1	0	0	0	10msec	TS6B
0	1	0	0	15msec	DSS10B,NS25B, NS15B
1	1	0	0	20msec	
0	0	1	0	25msec	DSS20B
1	0	1	0	30msec	NS35B, NS45B
0	1	1	0	35msec	DSS25B
1	1	1	0	40msec	
0	0	0	1	45msec	DSS35B
1	0	0	1	50msec	
0	1	0	1	55msec	
1	1	0	1	60msec	
0	0	1	1	65msec	
1	0	1	1	70msec	
0	1	1	1	75msec	
1	1	1	1	80msec	

NOTES:

1. P1 CONNECTIONS:
   INPUT - PIN 1: +12 ~ 24VDC REG.
   PASSIVE - PIN 2: POWER GND
   PASSIVE - PIN 3: SIGNAL GND
   INPUT - PIN 4: TRIGGER INPUT (ACTIVE HIGH)
   OUTPUT - PIN 5: +5VDC, .25A MAX.
2. P2 CONNECTIONS:
   OUTPUT - PIN 1: SHUTTER (A)
   OUTPUT - PIN 2: SHUTTER (B)
3. F1 IS A .25A F-A SMT FUSE
   F2 IS A .75A S-B SMT FUSE
4. OVERALL HEIGHT APPROXIMATELY .750" WITH INPUT HARNESS CONNECTED.
5. ALL DIMENSIONS MAXIMUM
   [MM]
   INCH

P1 Connections

Pin 1	Input	+12VDC to +24 VDC Reg
Pin 2	Passive	Power GND
Pin 3	Passive	Signal GND
Pin 4	Input	Trigger Input (Active High)
Pin 5	Output	+5 VDC / 0.25A Max

P2 Connections

Pin 1	Output	Shutter (A) Driver Output
Pin 2	Output	Shutter (B) Driver Output