

## FEATURES

- Innovative drive circuitry utilizes capacitive discharge control of UNIBLITZ® shutters at +24VDC.
- Open frame printed circuit card suitable for OEM applications. (See Figure 1)
- Power input: +24VDC at 1.5A - user provided.
- .025 inch square post connections.
- Easily interfaces with electronic synchronization system.
- Direct or opto-isolated input control.
- Output provided for electronic synchronization system.
- Mating 7-pin IDC connectors supplied.
- Unit can be mounted directly to unboxed VS14 or VS25 shutter mechanism.
- Exposure determined by external pulse source.
- Size (HWD) 1.1 or .9 x 2.6 x 2.8 inches (27.9 or 22.6 x 64.8 x 69.9 mm)
- Weight 1.6 oz. (.05 Kg.)
- Price - \$220.00 (Domestic)

The CCS-5 is a self contained shutter driver utilizing capacitive discharge control at +24VDC to operate Vincent UNIBLITZ shutters.

The unit operates from a +24VDC external power supply (not included). The CCS-5 can be easily integrated into OEM applications which have this supply voltage available. The unit includes an opto-isolator trigger input to optically isolate the shutter drive circuitry from the user supplied exposure control trigger signals.

For applications where space is at a premium, the CCS-5 can be mounted directly to the VS14 or VS25 shutter mechanism providing an integrated shutter/driver system.

Supplying a TTL (5V) logic level to the trigger input (direct or isolated) or connecting a mechanical or electronic switch between the trigger input and the +4VDC output is all that is required to control the CCS-5.

## OPTIONS

710P - (7-pin female to 7-wire pigtail). For connection between the shutter and the CCS-5 shutter driver. Pigtail end can be fitted with 7-pin IDC connector, contact factory for details.

### P1 Connections

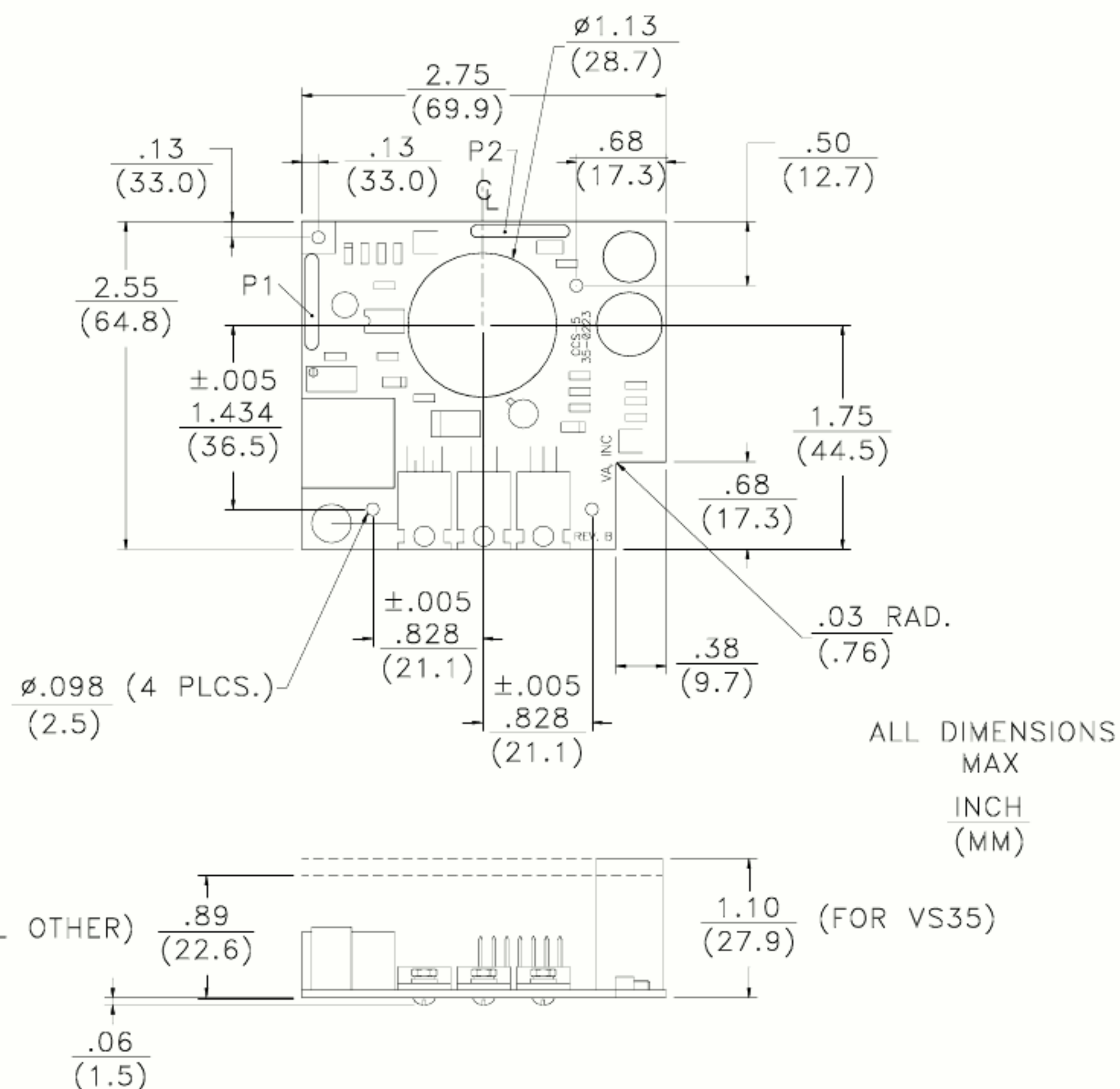
(Seven .025 square posts on .100 centers)

- #1 - +24VDC Power Supply input
- #2 - Power/Signal Gnd
- #3 - Trigger input (Direct), active-high
- #4 - Trigger input (+) (Isolated), active-high
- #5 - Trigger input (-) (Isolated)
- #6 - +4.8VDC at .6A External Voltage<sup>2</sup>
- #7 - Sync. output (Direct), active-high

### P2 Connections

(Seven .025 square posts on .100 centers)

- #1 - Shutter - RED (A)
- #2 - Shutter - BLK (B)
- #3 - Sync. Diode - WHT (C)
- #4 - Sync. Ground - GRN (D)
- #5 - Sync. Trans. - ORN (E)
- #6 - Sync. +4.0VDC - BLU (F)
- #7 - Shutter Gnd. - BRN (H)



## Notes

1. De-coupling the power may be necessary. Component values chosen may determine minimum time between actuations.
2. Not necessary for normal circuit operation. Low voltage produced by on board step down switching regulator. For applications where switching noise (52KHz) cannot be tolerated, external low voltage supply can be input. (on board regulator is automatically disabled).
3. Use either Direct input signal (with respect to ground) or OPTO-ISOLATED signal, (+) - send and (-) - return.
4. If customer chooses to have the CCS-5 mounted directly to the shutter, contact factory for details and pricing.
5. Wire colors denote 710P cable.
6. Shutters used with the CCS-5 will required installation of the "K" actuator coil.