

DM201 – Solenoid Driver

The DM201 solenoid driver is designed specifically to control and improve the performance of dispensing guns for the canmaking industry. The main application for this driver is for use in rotary liners for lining can ends.



The main advantage of this solenoid driver is that it reduces the amount of heat buildup inside the dispensing gun. The traditional method of controlling the dispensing guns led to a buildup of heat inside the chamber which cured the compound being dispensed. This led to inconsistent amounts of compound dispensed onto the product. The DM201 greatly reduces the amount of heat, leading to a more accurate spray and longer run time between required cleanings.

Other capabilities that the DM201 offers are the ability to calibrate the nozzle depth automatically, along with a monitoring output to tell the PLC that the gun is working correctly.

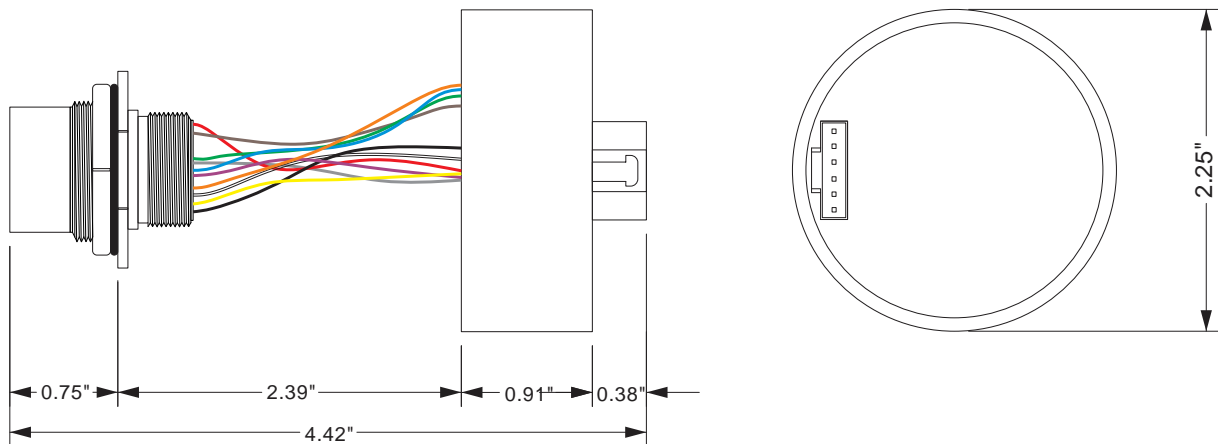
This driver operates on 24VDC, and offers outputs for the Solenoid, Spray Status, and Nozzle Bottom. Inputs are for Power, Increase and Decrease Nozzle Calibration, Trigger, along with serial communication (future use).

SPECIFICATIONS

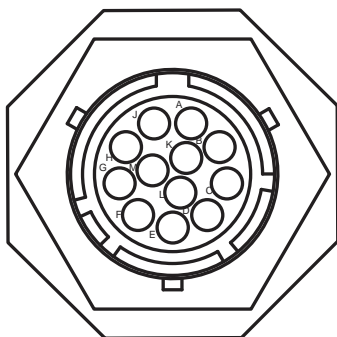
Power: 24VDC, 50mA, excluding solenoid current
 Inputs: Sourcing (PNP), overvoltage protected – Trigger, Increase, Decrease
 Outputs: Sourcing (PNP), 50mA max, fused - Spray, Bottom
 Sinking (NPN), Increase, Decrease
 Bi Directional Solenoid output – 24VDC, 5A max
 5VDC for external use – 50mA max

Connections: 12 pin
 Speed: Based on machine speed
 Communication: For future use.

DIMENSIONAL

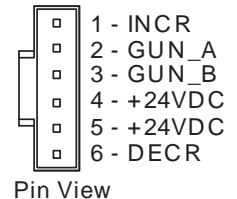


WIRING



HOUSING FRONT VIEW

- A - Red - +24VDC
- B - Brown - TRIG
- C - N/C
- D - Orange - INCR
- E - Black - SPRAY
- F - Yellow - DECR
- G - White - GND
- H - Grey - BOTTOM
- J - N/C
- K - Blue - TxD
- L - Green - RxD
- M - Violet - +5VDC



Pin View