

# M-FLEX DIGITAL SWITCHER M04-05

M-Flex Digital Switcher M04-05 CAN I/O Controller is designed to withstand the harsh temperatures, shock and vibration, moisture and electrical transients that are common to the harsh environments.



**M-Flex**  
CONTROLLERS

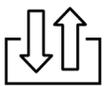
IP67

12V  
24V

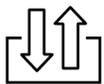
RoHS  
COMPLIANT



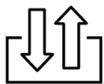
## FEATURES



Configurable inputs and outputs for customizing your Digital Switcher to each application.



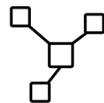
(4) x 10A Outputs have digital fusing and circuit fault detection. (3) Outputs with PWM.



(1) x 20A Outputs have digital fusing and circuit fault detection



Fully encapsulated electronics for complete environmental protection.



Compatible with M-Flex Keypads and Displays, and MFD.



Turn conditions into actions - no code required.



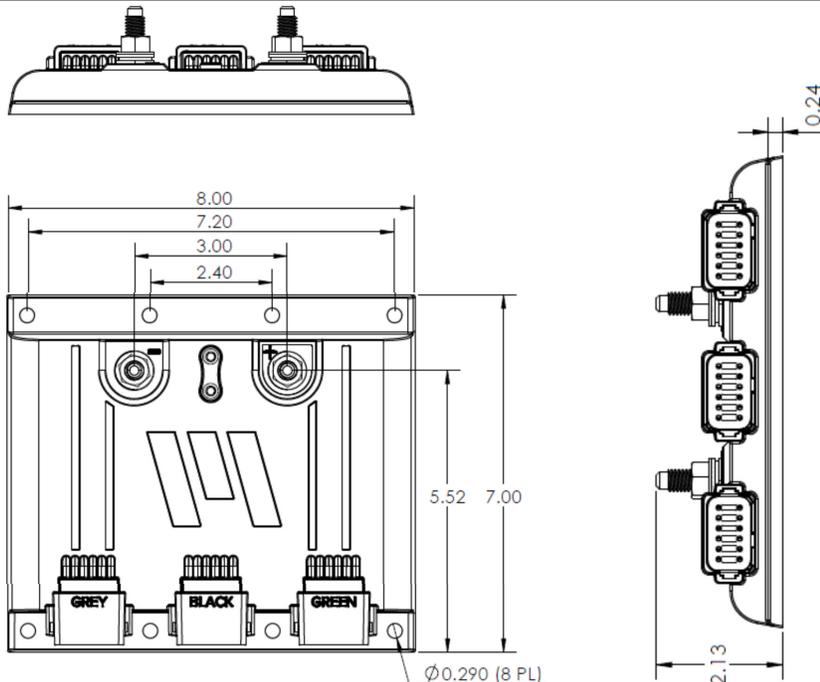
The controller supports three interfaces: CAN for command and status messaging, a no-code configuration tool for simple standalone behavior, and C programming for custom firmware and advanced control logic.

## SPECIFICATIONS

Specifications subject to change without notice. \ Revised 02.26

|                              |  |
|------------------------------|--|
| <b>Supply Voltage</b>        | 9 – 32VDC.   |
| <b>Max Current</b>           | 30A.   |
| <b>CAN Protocol</b>          | SAE J1939 CAN 2.0A and 2.0B, CANopen, NMEA 2000.                                       |
| <b>Baud Rate</b>             | 250kbps, 500kbps, 1mbps.   |
| <b>Inputs</b>                | (4) Analog inputs 0-32V, 4-20mA, Resistive.  |
| <b>Outputs</b>               | (1) x 20A (High Side); (4) x 10A(High Side) [3 PWM/dimmable outputs] All with Returns. |
| <b>Connectors</b>            | Deutsch PN DT13-12PA & PN DT13-12PB  |
| <b>Mounting</b>              | M6 or ¼" screws and nuts.  |
| <b>Operating Temperature</b> | -40° to 85°C (-40° to 185°F).  |
| <b>Storage Temperature</b>   | -40° to 85°C (-40° to 185°F).  |
| <b>Weight</b>                | 2.7 lbs (1224.7 g).  |
| <b>Enclosure</b>             | 5.5 in L x 5.6 in W x 2.1 in H (139mm L x 142mm W x 53mm H) Noryl.                     |
| <b>Circuit Protection</b>    | Reverse Polarity, Overvoltage, Transient Voltage, Battery Dump, Open Load.             |

## DIMENSIONS



For a detailed specification visit  
[marlintech.com/m-flex](http://marlintech.com/m-flex)

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 MADE IN THE USA WITH  
 IMPORTED MATERIALS