

# M-FLEX 4I-4O CAN CONTROLLER

The M-Flex CAN 4I-4O Controller is designed for severe duty, outdoor mobile applications and built to withstand the harsh temperatures, shock and vibration, moisture and electrical transients that are common to these environments.



**M-Flex**  
CONTROLLERS

IP67  
IP69

12V  
24V

RoHS  
compliant

CE



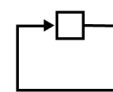
## FEATURES



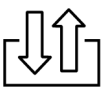
Designed for severe duty, outdoor mobile applications.



Deutsch DT style connectors.



Outputs have closed-loop current sensing for accurate control of proportional valves.



Configurable inputs and outputs for customizing controller to each application.



125/250/500/1000 kbps CAN bus speeds.



Programming options:

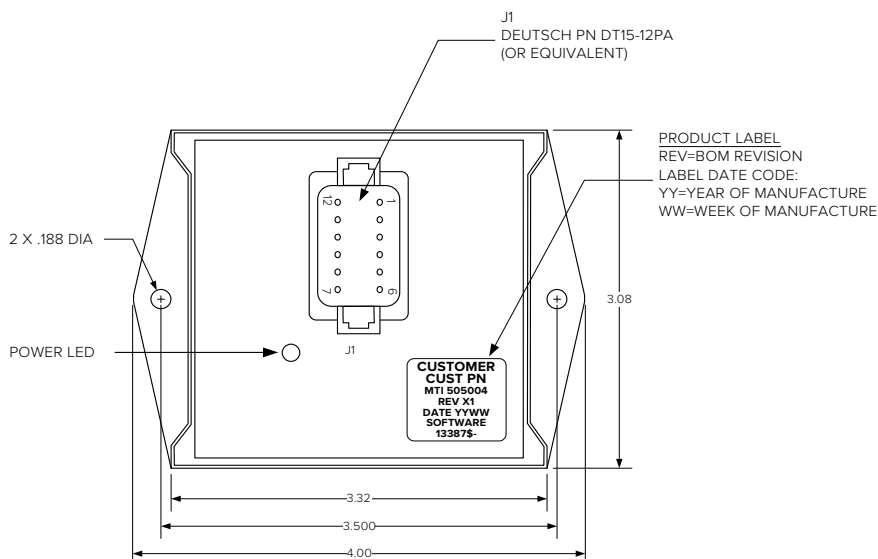
- User-configurable functions.
- Custom application software.

## SPECIFICATIONS

Specifications subject to change without notice. \ Revised 01.24

<b>Supply Voltage</b>	8-36VDC operating range, reverse polarity protected.
<b>Max Current</b>	12A max current, 3A per output.
<b>CAN Protocol</b>	SAE J1939, CANopen, NMEA2000.
<b>Inputs</b>	(2) inputs configurable as Analog, Digital, or Frequency. (2) inputs configurable as Analog or Digital.
<b>Outputs</b>	(4) Half-bridge (High-Side or Low-Side). Up to 4 at a time can be PWM.
<b>Indicators</b>	(1) green LED status indicator.
<b>Connector</b>	Deutsch DT04-12; Keyed and color coded.
<b>Mounting</b>	(2) M6 or 1/4" screws.
<b>Ingress Protection</b>	IP67 and IP69K rated (with appropriate connector boots).
<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>Packaging</b>	Noryl housing with integral mounting tabs, electronics fully encapsulated.
<b>Baud Rate</b>	125/250/500/1000 kbps.

## DIMENSIONS



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

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**MARLINTECH.COM**  
MADE IN THE USA WITH  
IMPORTED MATERIALS