

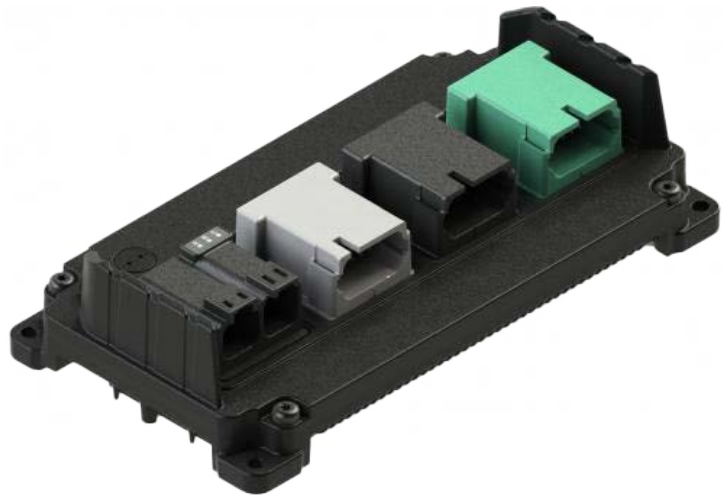
Built to Perform in High Heat  
and High Vibration Areas

Easy to Scale Up or Down  
Within the Hardware Family

Features Universal Inputs and  
Flexible Proportional Outputs

Open/Short Circuit\* Protection  
and Overcurrent Protection

*High-Current Model Available*



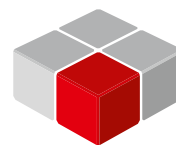
## FLEXIBLE CONTROLLER FOR HARDWORKING EQUIPMENT

Part of the complete series of scalable uControl™ mobile controllers, the MC4-26-20 offers flexible I/O options for a variety of equipment needs and applications. Featuring multiple CAN interfaces, extensive inputs and software selectable outputs, MC4-26-20 controllers deliver extreme durability with precision control for any job.

Simplify your equipment control using reliable, software selectable, universal outputs with feedback. The MC4-26-20 controller works great with extended low voltage operation and also provides short circuit and overload protection. MC4-26-20 controllers feature a rugged IP69K-sealed aluminum enclosure with gel

potting that allows it to be mounted where you need it, including high-heat and high-vibration areas like in engine compartments or on attachments.

### FLEXIBLE PROGRAMMING OPTIONS



**CODESYS**

Advanced programming environment with support for structured text, ladder logic, and block diagrams.

**IP  
69K**

**CE**

**e-Mark**

**ISO-13766**

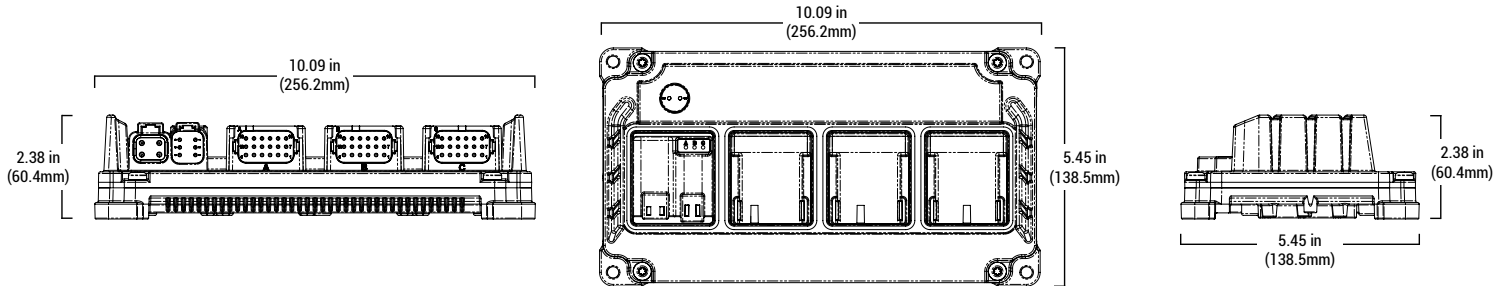
**REACH / RoHS**

[ENOVATIONCONTROLS.COM/MC4-26-20](http://ENOVATIONCONTROLS.COM/MC4-26-20)

# uControl™ MC4-26-20

2010001  
02-2024

## DIMENSIONS



## PRODUCT SPECIFICATIONS

### 26 INPUTS

|                                   |    |
|-----------------------------------|----|
| UNIVERSAL ANALOG / HIGH FREQUENCY | 10 |
| UNIVERSAL ANALOG                  | 16 |

### 20 OUTPUTS (SOFTWARE SELECTABLE)

|                                      |    |
|--------------------------------------|----|
| 4A PWM (FEEDBACK)                    | 10 |
| DUAL-RANGE PWM 4A / 0.5 A (FEEDBACK) | 10 |

### HARDWARE

|                  |                                                                                                                                                                              |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAN 2.0B / J1939 | 3 Channels                                                                                                                                                                   |
| SENSOR SUPPLY    | (2) 400mA max @ 5 or 10 VDC [Software Selectable Voltage]                                                                                                                    |
| CONNECTORS       | J1A (4 pin) - DTP06-4S<br>J1B (6 pin) - DT06-6S-E008<br>J2 (18 pin - A key) - DT16-18SA-K004<br>J3 (18 pin - B key) - DT16-18SB-K004<br>J4 (18 pin - C key) - DT16-18SC-K004 |
| LED INDICATORS   | (1) Green - Power Status<br>(1) White - Software Configurable<br>(1) Blue - Software Configurable                                                                            |
| DIMENSIONS       | 10.09 x 5.45 x 2.38 in<br>(256.2 x 138.5 x 60.4 mm)                                                                                                                          |

**WARNING:** This product may expose you to chemicals which are known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### POWER SUPPLY

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| SUPPLY VOLTAGE            | 6-32 VDC, Nominal Operation @ 12 /24 VDC        |
| PEAK SUPPLY VOLTAGE       | 36 VDC                                          |
| MAXIMUM CURRENT           | 50 A (25 A with only 1 Power / 1 GND connected) |
| IDLE CURRENT 12/24 VDC    | < 200mA @ 12VDC<br>< 100mA @ 24VDC              |
| STANDBY CURRENT 12/24 VDC | < 5mA @ 12VDC<br>< 2.5mA @ 24VDC                |
| SLEEP PIN                 | Control sleep and wake functionality            |

### ENVIRONMENTAL

|                       |                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OPERATING TEMPERATURE | -40° to +221°F (-40° to +105°C)                                                                                                                                                                           |
| STORAGE TEMPERATURE   | -40° to +257°F (-40° to +125°C)                                                                                                                                                                           |
| OPERATING ALTITUDE    | 0 - 4000 meters                                                                                                                                                                                           |
| PROTECTION            | IP67, IP69K with Protective Boot                                                                                                                                                                          |
| VIBRATION             | 5.82 Grms, 8 hours per axis                                                                                                                                                                               |
| SHOCK                 | ±50G, 6ms                                                                                                                                                                                                 |
| HOUSING               | Cast aluminum housing, soft-gel potted for extreme ruggedness and durability                                                                                                                              |
| EMC/EMI               | 2014/30/EU (CE / E-MARK), CISPR 11, CISPR 25, EN 60945, EN 61000-4-2, EN 61326-1, SAE J1113-2, SAE J1113-4, SAE J1113-11, SAE J1113-12, SAE J1113-13, SAE J1113-21, SAE J1113-22, SAE J1113-26, SAE J1455 |

FOR MODEL & PART INFORMATION

[ENOVATIONCONTROLS.COM/MC4-26-20](http://ENOVATIONCONTROLS.COM/MC4-26-20)

FOR MANUAL & SUPPORT DOCUMENTS

[SUPPORT.ENOVATIONCONTROLS.COM](http://SUPPORT.ENOVATIONCONTROLS.COM)

FOR SUPPORT & WARRANTY

[ENOVATIONCONTROLS.COM/SUPPORT](http://ENOVATIONCONTROLS.COM/SUPPORT)

## SALES CONTACT



### CONTACT

✉ [sales@novationcontrols.com](mailto:sales@novationcontrols.com)  
☎ +1 918.317.4100  
[www.novationcontrols.com](http://www.novationcontrols.com)

### CORPORATE HEADQUARTERS

5311 S 122nd E Ave  
Tulsa, Oklahoma, USA 74146  
United States • United Kingdom • India • China



FM 28221 (Tulsa, OK-USA)  
FM 29422 (UK)