



VMM6

VMM6 Series

Contura Digital Switch Module, 6 Rocker



Quick Start Guide

P/N: M003140

Rev. 1.2 (3/2021)

Copyright ©2021 Carling Technologies, Inc.

60 Johnson Ave.
Plainville, CT
06062 USA

All Rights Reserved

<https://www.maretron.com>

This Page Intentionally Left Blank

Thank you for purchasing MPower VMM6

The VMM6 features 6 of Carling's Contura® rocker switches available in different styles. The VMM6 requires only a connection to an NMEA 2000® network to begin. Configure the VMM6 using Maretron N2KAnalyzer® installed on a PC and an IPG100 or USB100 connected to the NMEA 2000® Network. VMM6 transmits and receives NMEA 2000® PGN 127501. Each transmission of PGN 127501 reports the state of all VMM6 switch positions every 15 seconds and each time a switch is pressed. Each VMM6 switch has two embedded LEDs that can be configured as a backlight or to show the state of an MPower load controller ECB (Electronic Circuit Breaker) reported in a received 127501 PGN. Assigning VMM6 control of an ECB or multiple ECBs is configured within the MPower load controller(s) configuration while assigning VMM6's LEDs operation is configured within the VMM6 unit's configuration.

VMM6 Features at a Glance:

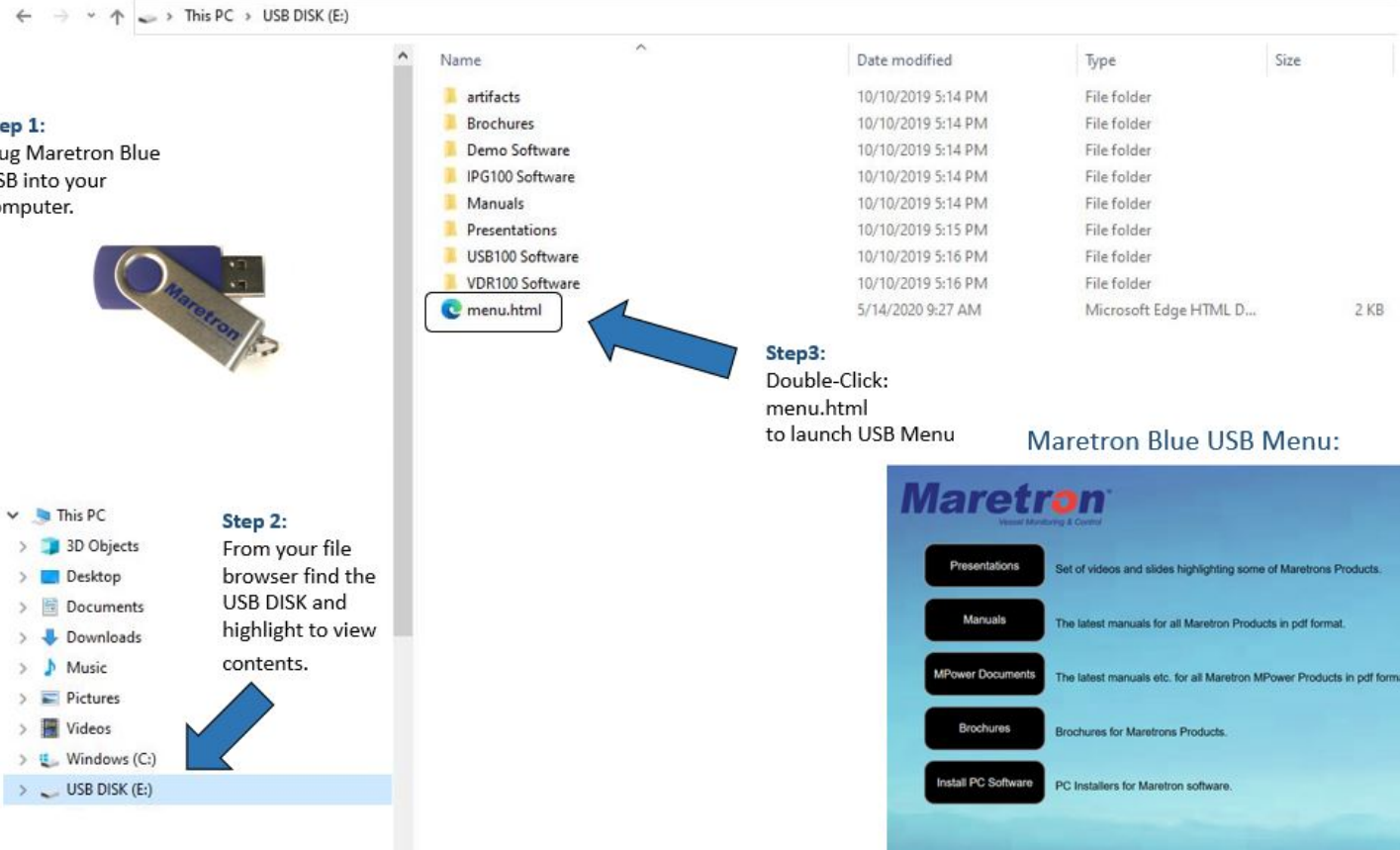
- Mechanical Detent Provides Tactile and Audible Switch Operation
- Configurable Operation and Appearance Aspect
- Accepts Aftermarket Switch Actuators
- All Switch Positions have Blue LED's
- Horizontal or Vertical Mounting Options
- Screwless, Snap-In Mounting
- IP68 Rated with Plug for Unused Connector
- NMEA 2000 LEN: 3 (Max Current 150mA)
- Optical Interrupt Switches Endurance Tested to Reach Minimum of 250,000 Operations

To learn more about the MPower® VMM6's features please refer to the User's Manual located on the Blue USB Disc. See launch instruction below to access USB Disc Menu.

Step 1:
Plug Maretron Blue USB into your computer.



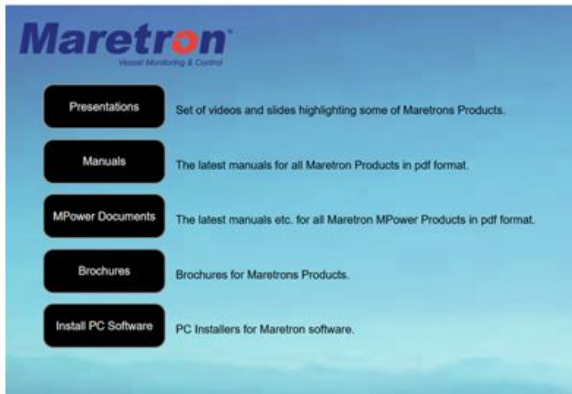
Step 2:
From your file browser find the USB DISK and highlight to view contents.



Name	Date modified	Type	Size
artifacts	10/10/2019 5:14 PM	File folder	
Brochures	10/10/2019 5:14 PM	File folder	
Demo Software	10/10/2019 5:14 PM	File folder	
IPG100 Software	10/10/2019 5:14 PM	File folder	
Manuals	10/10/2019 5:14 PM	File folder	
Presentations	10/10/2019 5:15 PM	File folder	
USB100 Software	10/10/2019 5:16 PM	File folder	
VDR100 Software	10/10/2019 5:16 PM	File folder	
menu.html	5/14/2020 9:27 AM	Microsoft Edge HTML D...	2 KB

Step3:
Double-Click: menu.html to launch USB Menu

Maretron Blue USB Menu:

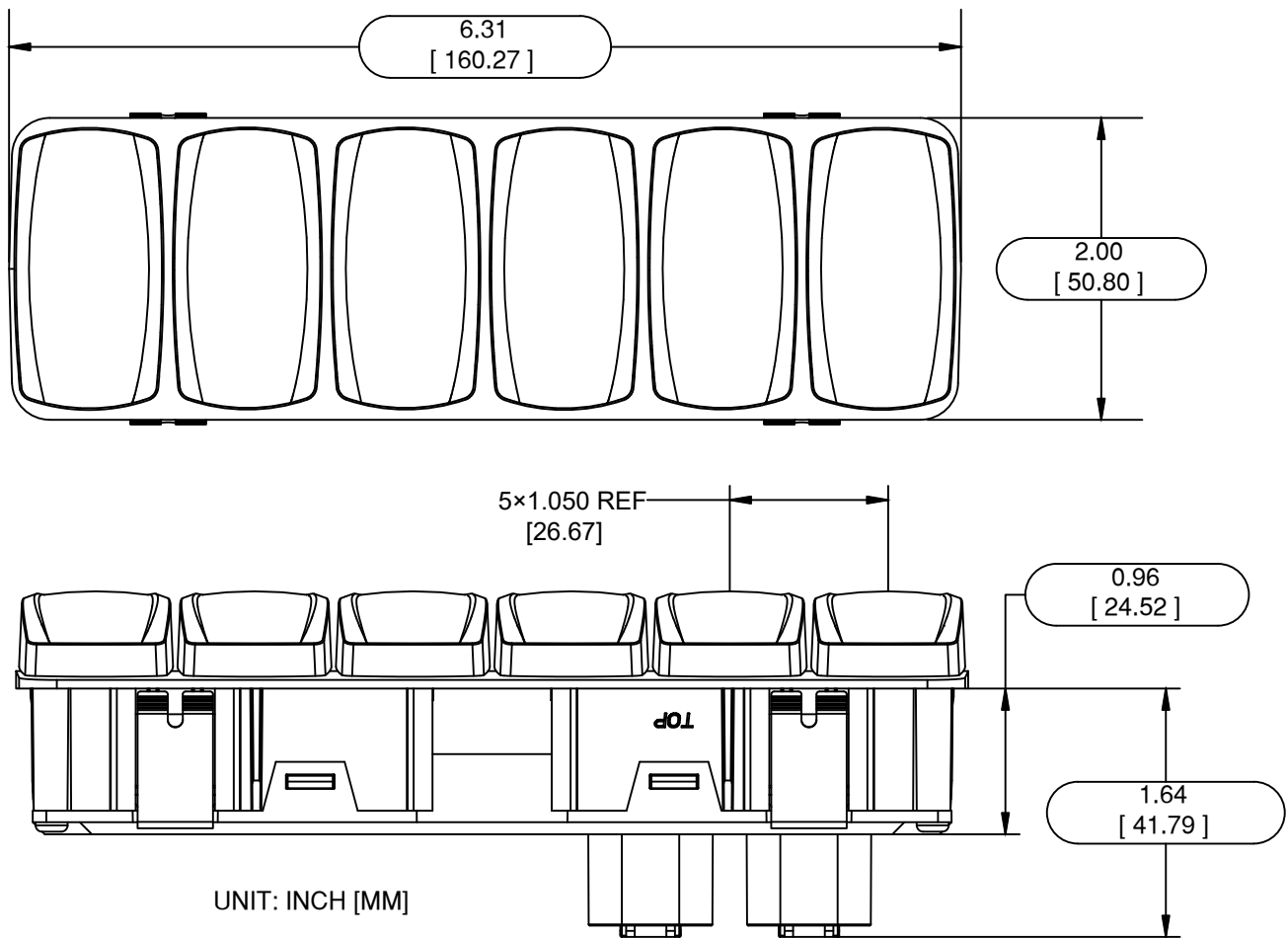


The Maretron Blue USB Menu interface displays the following options:

- Presentations**: Set of videos and slides highlighting some of Maretrons Products.
- Manuals**: The latest manuals for all Maretron Products in pdf format.
- MPower Documents**: The latest manuals etc. for all Maretron MPower Products in pdf format.
- Brochures**: Brochures for Maretrons Products.
- Install PC Software**: PC Installers for Maretron software.

VMM6 Hardware Dimensions:

Not to Scale, for Reference Only



VMM6 Application:

Apply the VMM6 unit to control any Maretron Load Controller device such as Maretron's CLMD16 or CLMD12 by connecting VMM6 to the same NMEA 2000® Network. The VMM6's Out of Box Configuration allows for Toggle Operation of the first 6 or 7 (depending on part number) Electronic Circuit Breakers on Maretron's CLMD16 and CLMD12 DC Load Controller Modules. This will only occur if the CLMD16 or CLMD12 is on the same NMEA 2000® Network as VMM6 and also has a default Out of Box Configuration. Please see the Out of Box Configuration details in this Quick Start Guide for information on how the VMM6's default configuration will behave when a CLMD16 or CLMD12 is on the same network with Out of Box Configuration.

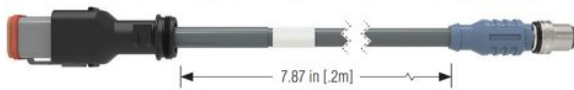
Note: Depending on desired switch control, default configuration may not work for your application and custom configuration will be needed using Maretron N2KAnalyzer®. Applying a CLMD16 and a CLMD12 containing default Out of Box Configurations or having two VMM6 units on the same NMEA2000® network forces the need for custom configuration.

VMM6 Ordering Options:

A3801-1



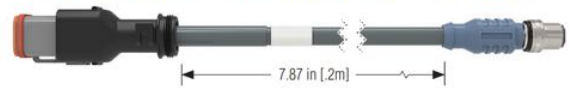
VMM to NMEA 2000® Adapter Cable - .2m (A3702)



A3801-2



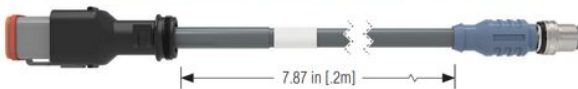
VMM to NMEA 2000® Adapter Cable - .2m (A3702)



A3801-3



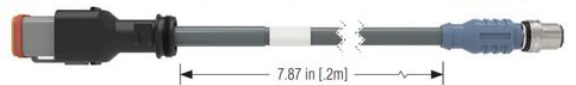
VMM to NMEA 2000® Adapter Cable - .2m (A3702)



A3801-4



VMM to NMEA 2000® Adapter Cable - .2m (A3702)



A3801-5



2 Position

VMM to NMEA 2000® Adapter Cable - .2m (A3702)



A3801-6

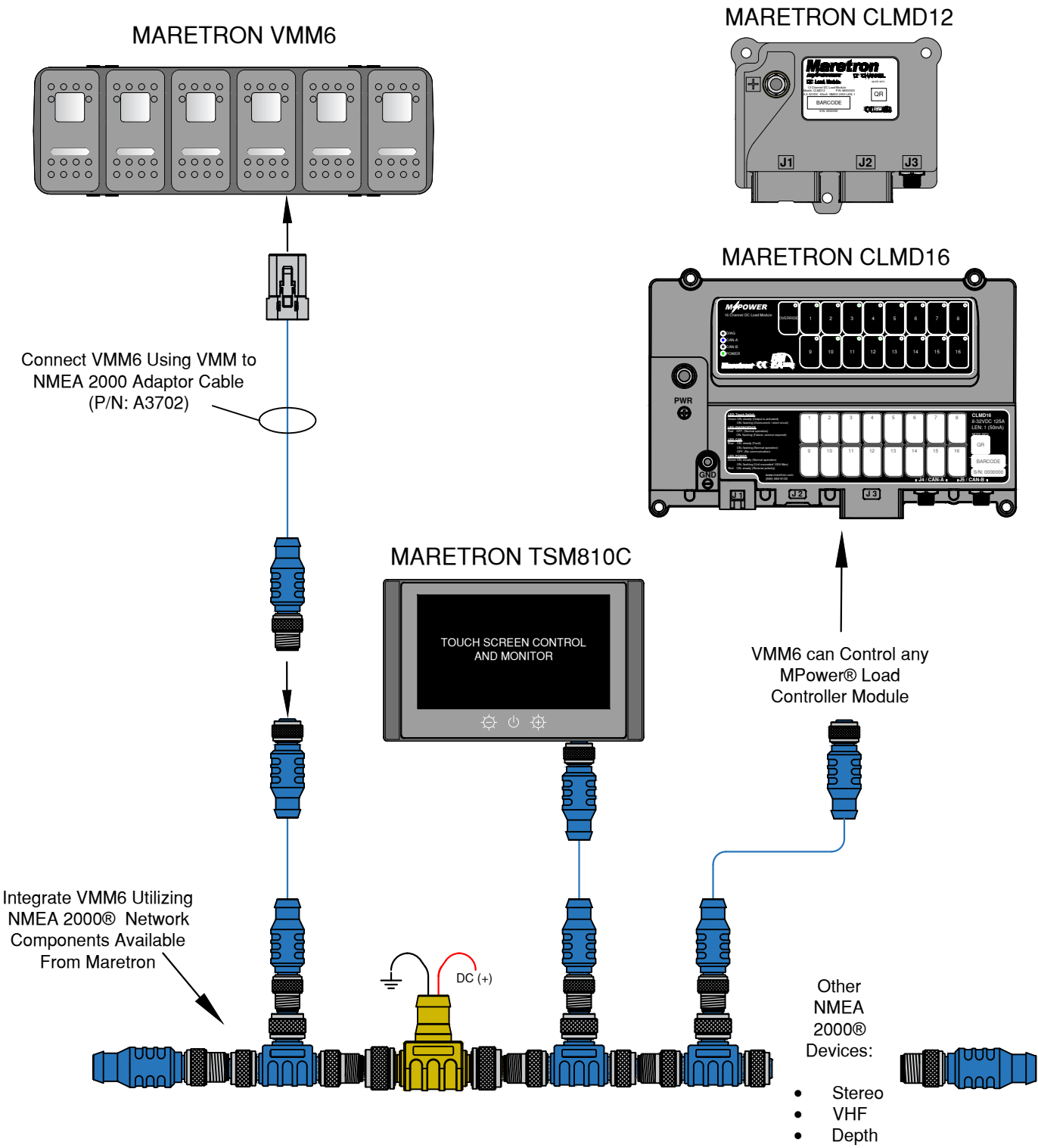


3 Position

VMM to NMEA 2000® Adapter Cable - .2m (A3702)



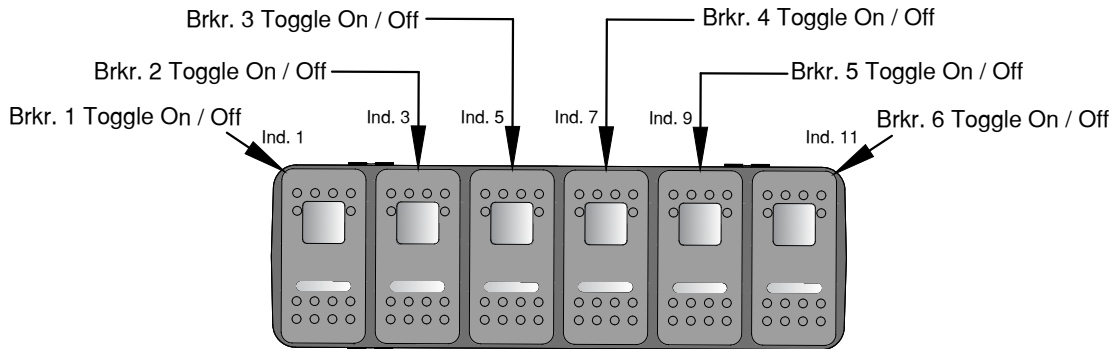
Installation Principle:



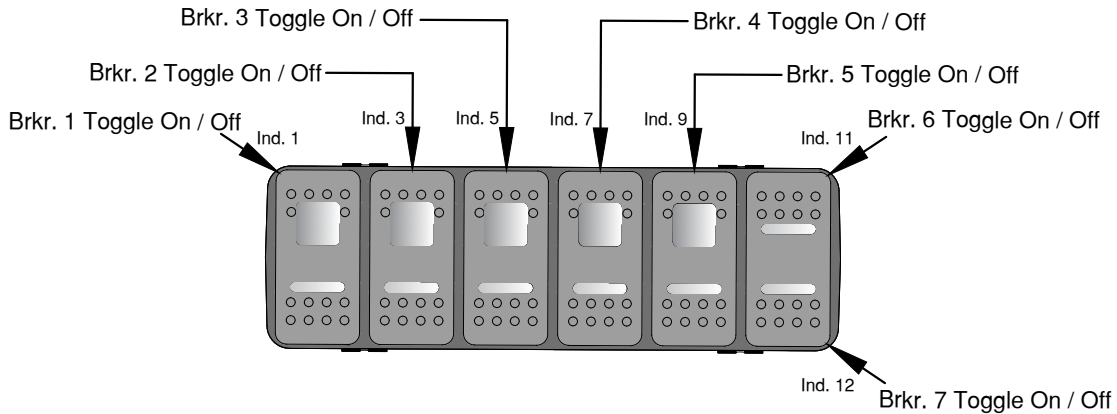
VMM6 Out of Box Configuration Module Details:

The VMM6's default configuration will Toggle the first 6 or 7 (Depending on model number) Electronic Circuit Breakers of either CLMD16 or CLMD12 when connected to the same NMEA 2000® Network.

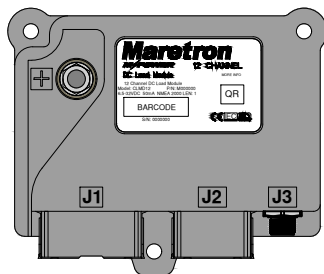
MARETRON VMM6 (6 Switch)



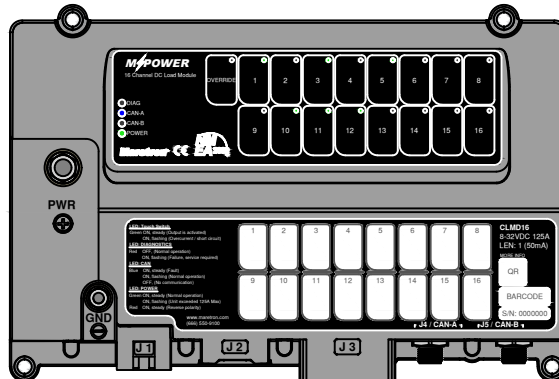
MARETRON VMM6 (7 Switch)



MARETRON CLMD12

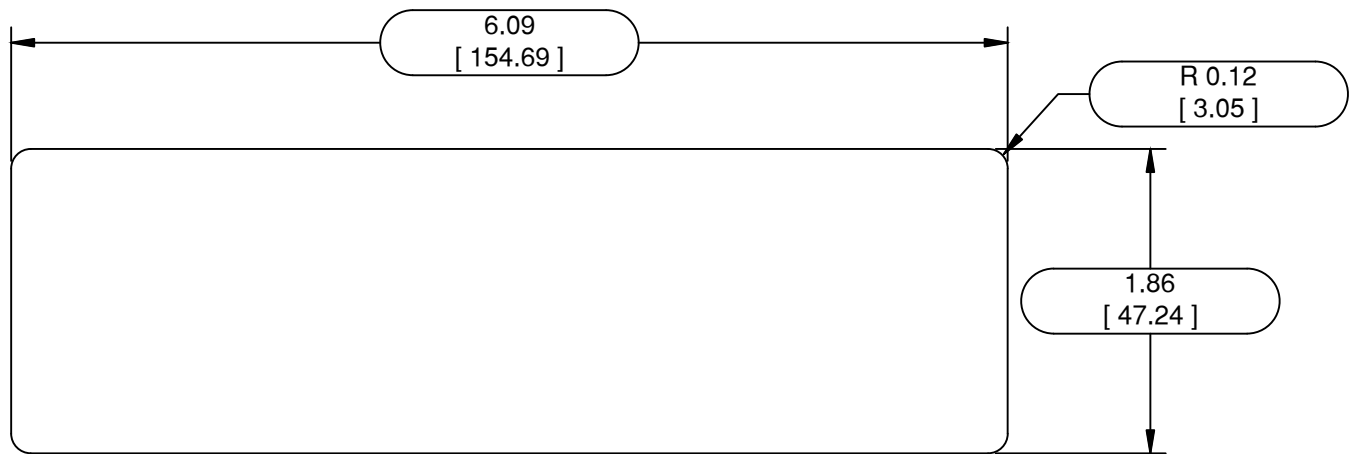


MARETRON CLMD16



CKM12 Panel Cut Out Requirement:

Not to Scale, for Reference Only



MINIMUM PANEL THICKNESS: 0.06 [1.57]

UNIT: INCH [MM]



For Additional Information About Your VMM6

Scan this QR Code:



Technical Support:

If you require technical support for Maretron products,
you can reach us in any of the following ways:

Telephone: 1-866-550-9100

Fax: 1-602-861-1777

E-mail: marine.support@carlingtech.com

World Wide Web: <http://www.maretron.com>

Mail: Carling Technologies, Inc.

Attn: Maretron Technical Support

120 Intracoastal Pointe Dr.

Jupiter, FL 33477 USA