

# Dual Reversing Module (Emulated)



## Introduction

The E-Plex® 826QRM with 425DRM emulation will functionally operate the same as the native 425DRM. This includes recognising and running the same logic as the native device, however the size and format are different and an adapter cable is required so the original Delphi connector that is fitted can be used.

Alternatively the Delphi connector can be removed and the standard 826QRM connectors can be used as well as an EP3 Cable to re-terminate the cables (See Part numbers below).

## Key Features:

- 10 Amp AC switch capacity.
- Activated Relay Indication.
- 4 independent channels with full change over connections (Volt Free).
- Two screw terminals per connection (to simplify linking).
- Standard EP3 connection.

The emulation does not support the Current monitoring function and the local override function.

## Electrical Specifications

Electrical specifications details		Contact derating table
Relay Contact Rating	10 Amps @ 250V AC, 4 Amps @ 24VDC	
Len rating	3	

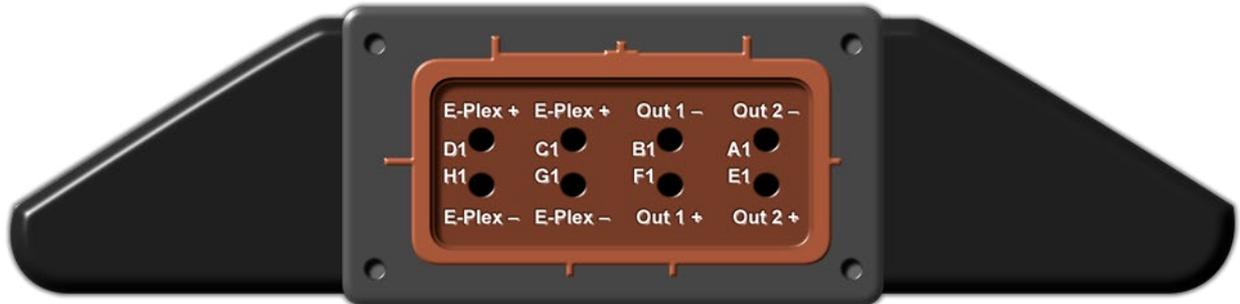
## Physical Specifications

Front Bezel Material	Aluminum
Back Case Material	ABS
Operating Temperature	-20°C- 50°C (-4°F - 122°F)
Storage Temperature	-30°C- 85°C (-22°F - 185°F)
Weight	150g (5.25oz)
Overall Length	118mm (4.64")
Overall Height	41mm (1.61")
Overall Depth (including Connectors)	95mm (3.74")
Mounting Hole Size	M4

## Terminal Connector Specifications

Connector Type - power and pump	Phoenix Contact 6 Way Screw Clamp Connector
Wire Gauge	0.2mm <sup>2</sup> (24AWG) Min to 2.5mm <sup>2</sup> (12AWG) Max
Wire Strip Length	5 – 7 mm (.19" - .27")
Communications Connectors Specifications	EP3

## Original Module Connections



## New module connections

### EP3 Connector

Allows for connection of the E-Plex logic system

### Activity LED

Shows indication of E-Plex activity

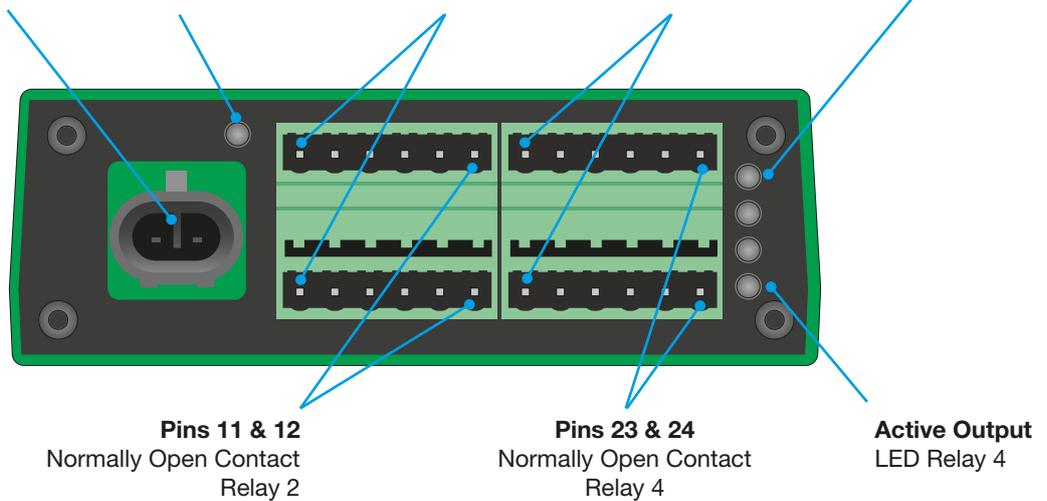
### Pins 1 & 2

Common Contact Relay 1

### Pins 13 & 14

Common Contact Relay 3

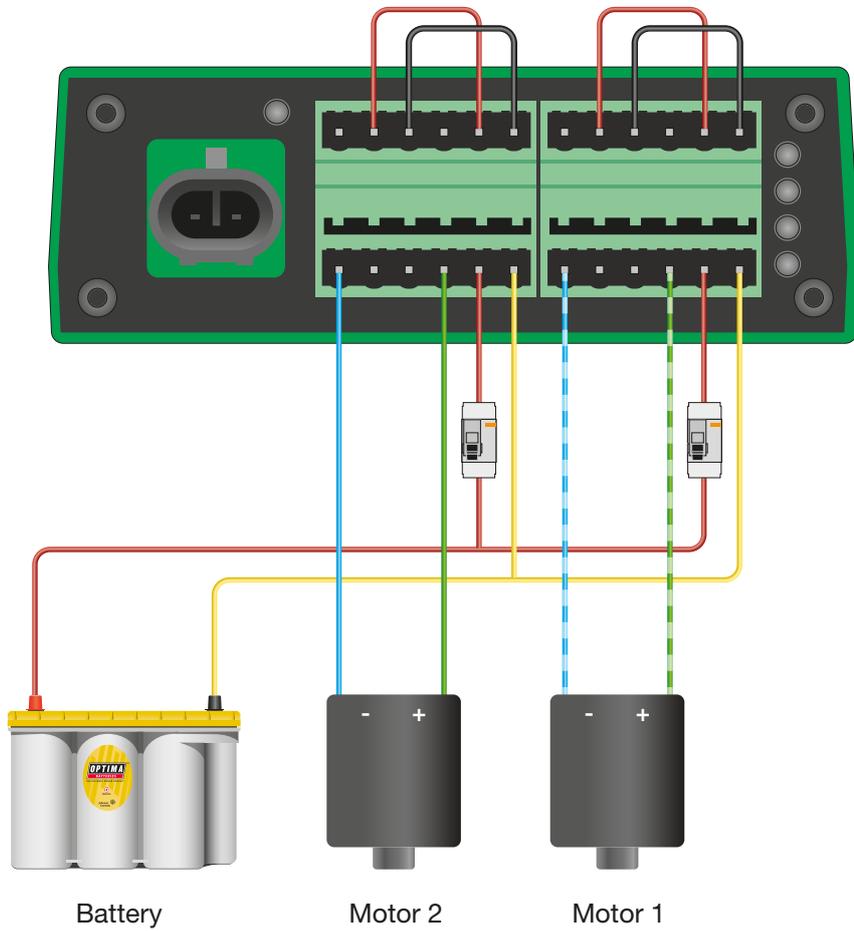
### Active Output LED Relay 1



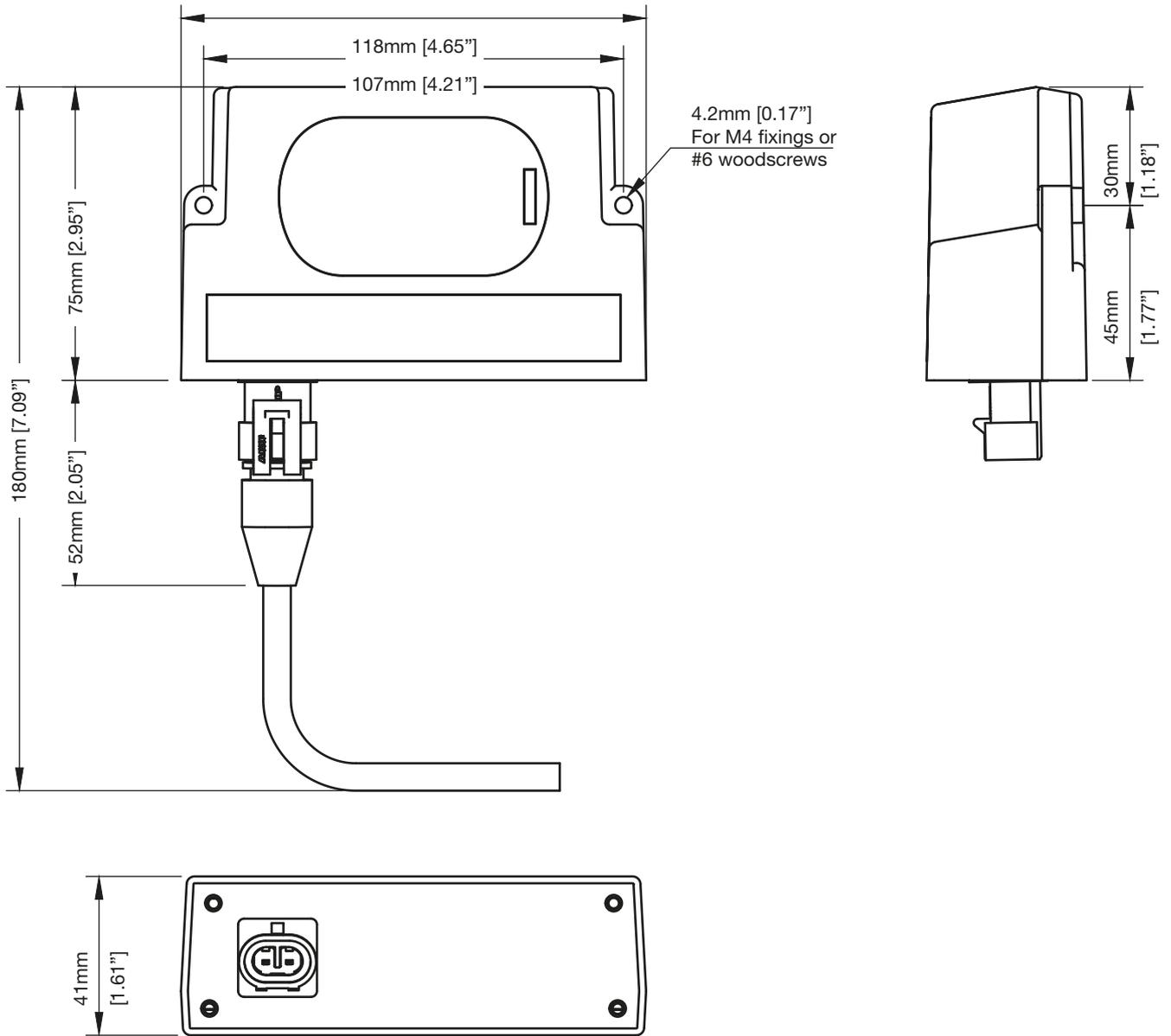
## Connection matrix

425DRM (Original wiring)	New Connection on above module
Pin A1, Motor 2 -	1 or 2
Pin E1, Motor 2 -	7 or 8
Pin B1, Motor 1 -	13 or 14
Pin F1, Motor 1 +	19 or 20
M5-T1, Battery +	3 or 4, 9 or 10, 15 or 16, 21 or 22
M5-T2, Battery -	5 or 6, 11 or 12, 17 or 18, 23 or 24
C1 or D1 E-Plex Data Bus +	Grey connection on EP3 Cable
G1 or H1 E-Plex Data Bus -	Violet connection on EP3 Cable

Connection Example (When used as a dual reversible motor controller)



Dimensional Diagram



## Ordering codes

Description	Ordering Code
425DRM Quad Relay Module	EP3-826-425DRM
425DRM Replacement Connector	CO-CONN-826QRM-PLUG
0.2 Meter EP3 Cable	EP3-CA-0.2M
425DRM Emulation cable	EP3-CA-DRI



826-425DRM Version 1.0 | SEP 2018

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