

The KEYBOX is an I/O, CANbus relay module specifically designed for 12V or 24V electrical loads.

Compact and efficient, the KEYBOX inputs and outputs can be connected to various powered components and fixtures on your installation i.e. lights, electric motors, bilge pumps, mechanical arms etc.

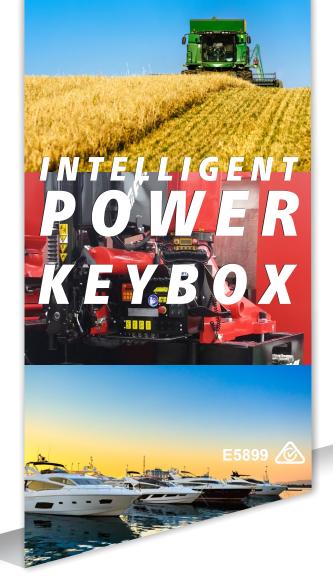
Equipped with 13 fused circuits with built in relays designed to control any 12V or 24V electrical device. The KEYBOX can also be connected in sequence with multiple modules as well as one or more Keypads via a single BUS communication channel.

The KEYBOX offers a simple solution to those upgrading old onboard switches with DSSA's streamline range of PK Series Keypads.

Providing all the innovation of DSSA technology without the cost and complexity of a larger digital system.

STANDARD FEATURES:

- ➤ Thirteen (13) Fused Circuits with Built in Relays
- Controls 12 or 24V Electrical Devices
- PWM Connections



AVAILABLE MODELS

KB312V-05A: 12V 5A KB312V-10A: 12V 10A

KB312V-05-10A: 12V 8 x 5A, 3 x 10A

KB324V-05A: 24V 5A





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STANDARD FEATURES

CANbus Keypads:

Keybox allows the use of DSSA PK Series CANbus keypads in both vehicle and marine applications where installations require additional streamlined controls.

IP67-IP69K:

Keybox is IP67 and IP69K rated, allowing you to install, connect and operate the Keybox module wherever you need on your project.

PWM Connections:

Keybox allows for PWM connections (e.g. dimming lights or throttle positions).

CAN Slave Module:

Keybox can also be set-up as a CAN Slave module.

Higher Ampere/More Outputs:

Keybox allows the ability to create an extension of the onboard system when either more outputs or higher rated outputs are required.

OEM's System:

Keybox allows to create a secondary stand-alone system when a closed-loop master controller system is already installed, preventing or prohibiting external connections.

MECHANICAL

Connector	Cinch 581-01-18-038 & Amphenol SLPRA16CPSO
Mating Connector	Cinch 581-01-18-023 with 425-00-00873 & Amphenol SLPPA25BSO
Housing/Cover	33% Glass Filled Polymer
PC Board	1.6mm Thick, Nema Grade FR-4, Double Clad with 2oz Copper

ELECTRICAL

Supply Voltage	12V Nominal 9-16V or 24V Nominal 19-31V
Standby Current	<30mA per PME
Communication Bus	CANbus, RS-485 BUS
Circuit Protection	Automotive Mini Blade Fuse
Load Current	Max 5A per output (resistive) @ 24V Max 10A per output (resistive) @ 12V



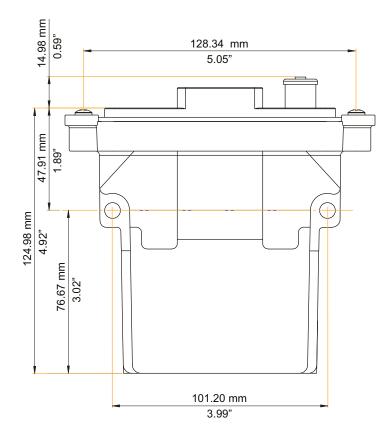
ENVIRONMENTAL

Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Humidity	0 to 98% (No Condensation)
Salt Spray	96 HRS
Ingress Protection Rating	IP67

OTHER FEATURES

Circuits	13		
Size MM	146.05 x 48.36 x 139.96		
Low Voltage Sense & Lockdown	Optional		
Field Re-programmable	Optional		
External Status Communication	Optional		
Dimming /PMW Features	Available on 2 Outputs		
Circuit Status Monitoring	Optional		
Low Side Driver	2 Options		
Weight	405g		

DIMENSIONS



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48.36 mm	.06.1	(4)
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AVAILABLE MODEL DETAILS					
KB312V-10A	12V	2 mosfet 3A	11 relays 10A		
KB312V-05A	12V	2 mosfet 3A	11 relays 5A		
KB324V-05A	24V	2 mosfet 3A	11 relays 5A		
KB312V-05-10A standard	12V	2 mosfet 3A	3 relays 10A		
			8 relays 5A		

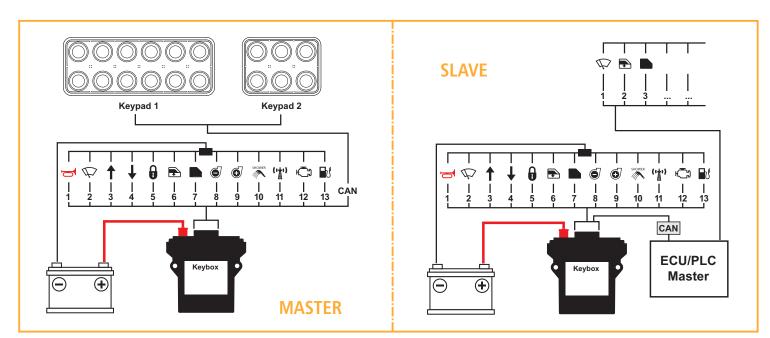


146.05 mm

5.75"

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SCHEMATIC EXAMPLES



This document and other information from DSSA, provides product and/or system options for further investigation by users having technical expertise. It is important to analyse all aspects of the application, including consequences of failure. Due to the variety of operating conditions and applications for these products, the manufacturer of the application is solely responsible for making the final selection of the products and assuring that all performance, safety and warning requirements of the application are met. The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by DSSA at any time without notice.