



# INSTALLATION MANUAL

## HIGH BEAM CANbus 12V INTERFACE TO SUIT:

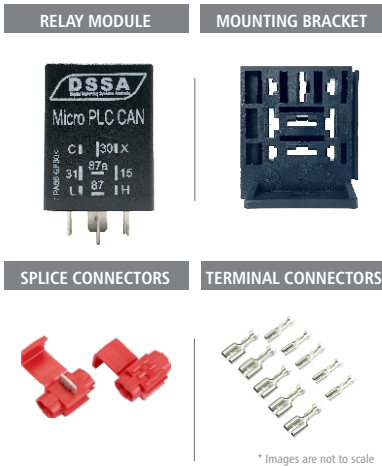
### TOYOTA ON/OFF

Part No. DSS-CANRLY 12V TOY

The CAN High Beam Relay is an ADR compliant solution for switching driving lights where the traditional 'high beam' signal wiring is not available.

#### INSTALLATION KIT

PART	QTY
12V Relay Module	1
Mounting Bracket	1
Splice Connectors	2
Terminal Connectors (Sml)	5
Terminal Connectors (Lge)	5
Installation Manual	1



\* Images are not to scale

#### NOTE:

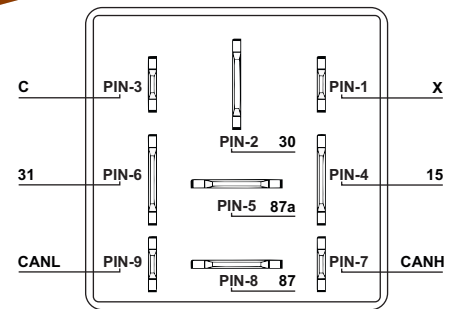
A 10 Amp Fuse (NOT Supplied) should be connected between the vehicle accessory switch and CANbus Interface Module (PIN-3 and PIN-2).  
 The CANbus wires must be connected from the vehicle Instrument Cluster to the CANbus Interface Module.  
 The CANbus wires should be less than 1 meter in length, be twisted approx. 4 times per 100mm and connected with the supplied splice connectors.

#### CONNECTION (REF to PINOUT DIAGRAM)

1	Connect PIN-3 and PIN 2 to the vehicle accessory switch 10A fuse (NOT Supplied)
2	Connect PIN-8 to the Power Relay (NOT Supplied) in the Engine Bay
3	Connect the Common of the SPST, Driving Light ON/OFF switch to PIN-3
4	Connect PIN-1 to the Normally OPEN of the Driving Light ON/OFF switch
5	Connect PIN-7 to vehicle CANbus HIGH at the Instrument Cluster
6	Connect PIN-9 to vehicle CANbus LOW at the Instrument Cluster
7	Connect PIN-6 to vehicle GROUND

#### OPERATION

1	The CANbus Interface Module becomes active when the vehicle accessory switch is turned ON
2	The Driving Light is lit, when the Driving Light switch is ON and the Vehicle High Beam lights are switched ON



PINOUT DIAGRAM

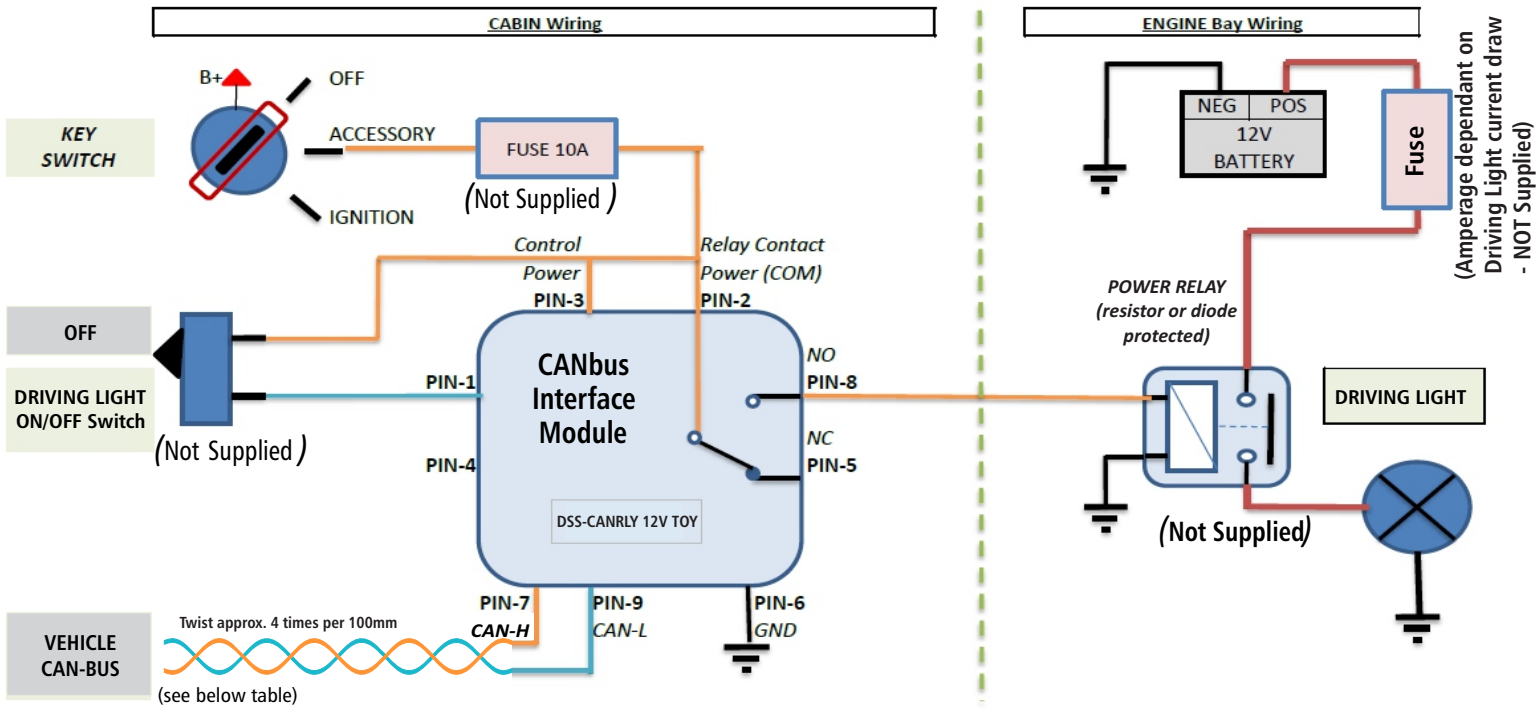
#### TECHNICAL DATA

Housing	Plastic PA66GF30
Connector	Base plate 9-pin
Ambient Temperature	-40°C to +85°C (at 85°C not full load)
Environmental Protection	IP 53
Current Consumption	27 mA
Inputs	Configurable as: Analogue input (0... 11, 4V) Digital, positive encoder signal frequency input
Outputs	Configurable as: Digital, positive switching (high-side or relay output) - PWM Output (2Hz ... 500Hz)
Operating Voltage	Depending on the variety of available configurations: 12V (Code C) and 24V (Code F) ISO 126750 - 2 compliant
Starting Voltage	8,5V (12V variant) - 16V (24V variant)
Overvoltage Protection	≥ 33V
Undervoltage Cut-Off	8,5V
Reverse Polarity Protection	Yes
Weight	31g
CAN Interfaces	CAN bus interface 2.0 A/B, ISO 11898-2:2003 compliant

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# POWER WIRING DIAGRAM



## INSTRUMENT CLUSTER - COMBINATION METER ASSEMBLY CAN CONNECTIONS:

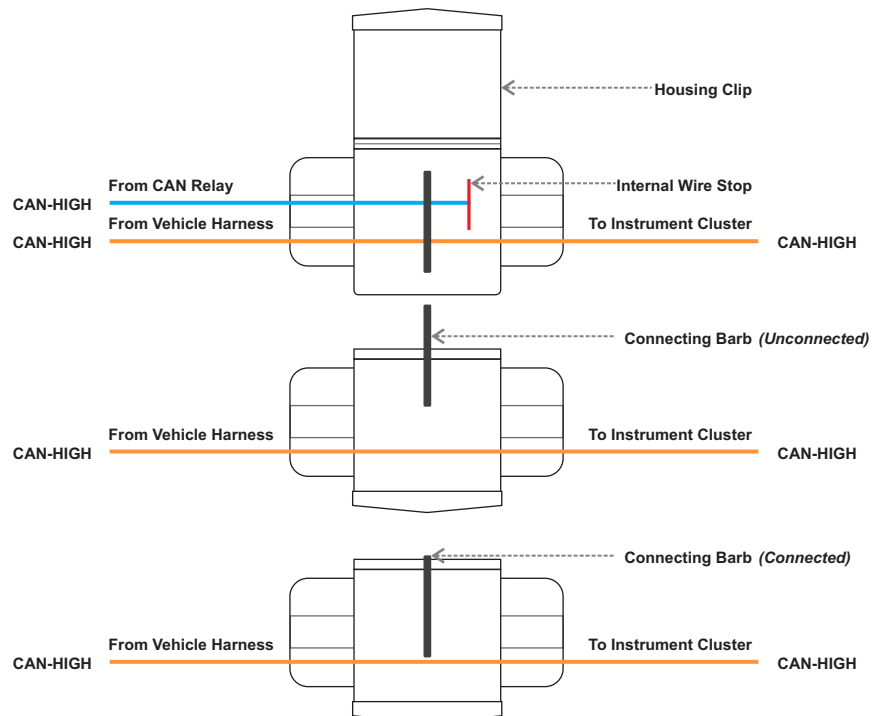
LandCruiser 200	CANH	A39	BROWN
	CANL	A40	WHITE
RAV4 PRE 2022	CANH	A9	BLACK
	CANL	A25	WHITE
Kluger PRE 2022	CANH	C28	SKY-BLUE
	CANL	C27	WHITE
Fortuna	CANH	A36	RED
	CANL	A35	WHITE
HiAce	CANH	A9	RED
	CANL	A25	WHITE

LandCruiser 300**	CANH	2PIN	WHITE
	CANL	2PIN	BLACK
RAV4 POST 2022	CANH	G180C31	BLACK
	CANL	G180C14	WHITE
Kluger POST 2022	CANH	H21 A32	BLACK
	CANL	H21 A31	WHITE
HiLux SR5	CANH	A36	SKY-BLUE
	CANL	A35	WHITE
CHR	CANH	F4-32	VIOLET
	CANL	F4-31	SKY-BLUE

Yaris	CANH	A9	BROWN
	CANL	A25	WHITE
Prado VX	CANH	D40	VIOLET
	CANL	D39	WHITE
Camry	CANH	B32	BLACK
	CANL	B31	WHITE
Granvia	CANH	A9	RED
	CANL	A25	WHITE

## CAN WIRE CONNECTION

1. Close barb with pliers, until barb is flush with housing.
  2. Close housing clip until locked.
- Use the same procedure for CAN-LOW Wires.



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