



## Switch Control Interface (SCI)

## Product description:

The Switch Control Interface (SCI) is a module which converts signals from traditional mechanical switches and converts them into a CAN signal to control loads via channels on output interface modules

### SCI features:

- 8 switch channels per module (sixteen switch points)
- Single switch position can control multiple OI channels
- Multiple SCI switches can control single OI channel
- Output for backlighting of switch labels (dimmable)
- Outputs systems on and function/fault codes to systems on LED of switches (dimmable)
- Programmable switch types

Normally open

Normally closed

Momentary open or closed

Dimmer

Timer

Interlocking

#### **Dimensions:**

H 100mm (3"29/32) x W156mm (6"3/32) x D 42mm (1"5/8)

IPX5 water ingress rated

Weight: 281g



#### **EMC** ratings:

- IEC EN 60945
- IEC EN 61000
- FCC Class B
- ISO 7637 1 (12V Passenger cars and light commercial vehicles with nominal 12V supply voltage - Electrical transient conduction along supply lines only)
- ISO 7637 2 (24V Commercial vehicles with nominal 24 V supply voltage - Electrical transient conduction along supply lines only)
- IEC Standards for indirect lighting strikes







#### **Network Status indicator**

#### SWITCH CONTROL INTERFACE



#### **Network Status Indicator**

- Extinguished = Network power disconnected
- Green = Network power connected
- Red = Network traffic

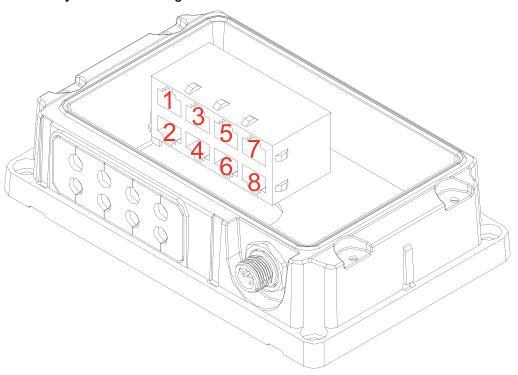
#### **Channel Status Indicators**

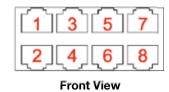
In the Case of the SCI module the LED channel status indicator flashes are displayed on the Carling switches that are connected to the SCI (Systems in operation window)

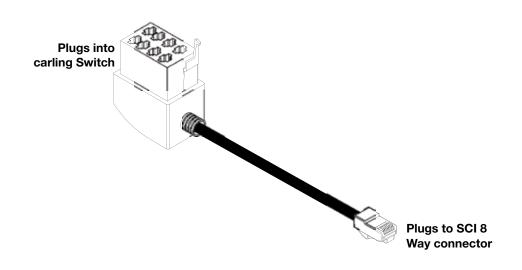
Red solid on \*SCI — Output on
Red slow flash \*SCI — Output in timer mode
Gn solid on SI/MI — Valid input signal
1 x RED SCI/SI/MI — Channel not configured
2 x RED SCI/SI/MI — Configuration conflict
3 x RED SCI/SI/MI — Dip switch conflict
4 x RED SCI/SI/MI — Memory comms failure
5 x RED SCI/SI/MI — No modules detected
6 x RED SCI/SI — Fault on output
7 x RED SCI/SI — Output not detected
8 x RED SI/MI — Invalid input signal



SCI - 8 Way connector housing

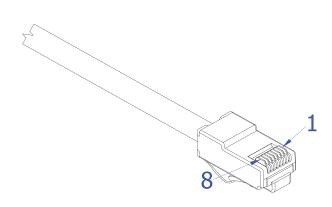


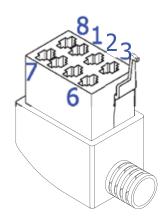






#### **Internal SCI Conductor connections**





#### **SCI Cable Connections**

RJ45	Conductor Colour	Carling terminal Housing	Conductor Designation (in relation to SCI)
1	Green/White	8	Backlighting + 2V
2	Green	1	Switch O/P Position 2
3		NC	
4	Blue	7	NEG
5		NC	
6	Orange	6	Systems on + 2V
7	Brown/White	3	Switch O/P Position 1
8	Brown	2	Switch I/P centre position





#### Connections/LED flash code label

This label is located on the inside of the front lid of the unit, it shows the LED codes and electrical connections to the unit

