Reverse Polarity Sensor

SAA APPROVALS®

◎ Certificate: SAA172810

◎ Standard: AS/NZS 3100:2009 Inc A1-4

When Safety Matters

Easy Installation   **Maintenance Free**   **Super Reliable**   **Australian Made**

We all know that safety is paramount and we strive to adopt new practices to reduce the chance of electrocution and increase safety, thus making the Reverse Polarity Sensor fundamental for all vehicle, RV and marine vessel owners.

This innovative device works by sensing the polarity of the power input and, if correct, will then energise the relay permitting power to flow through the vehicle switchboard in certain circumstances it will automatically trip the safety switch at the supply point of the power source.

This makes it completely safe for the end user and helps protect any sensitive electronic devices that would have been affected by reversed polarity.

The Reverse Polarity Sensor is one of the only devices on the market today which is fully complaint, approved and tested to Australian safety standards.

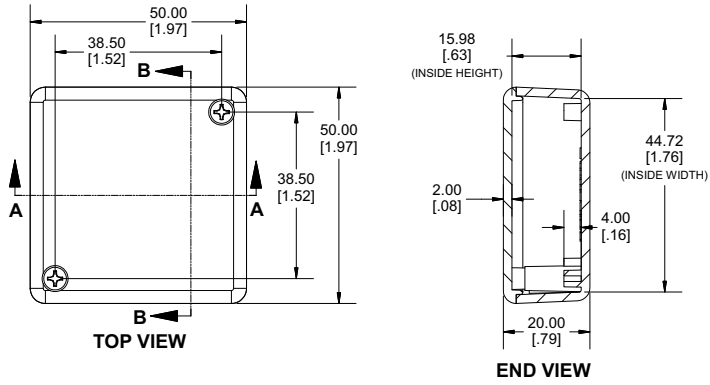So start protecting your vehicle today!

The Reverse Polarity Sensor must be installed by a licensed electrician. This compact device requires minimum space and is recommended to be installed along with the supplied relay at the vehicle or vessels' switchboard location.
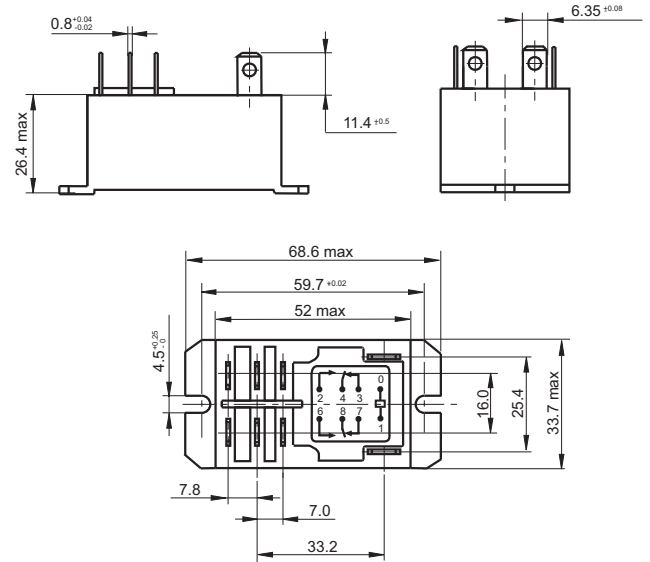
Kit Includes:

○ 1x Relay 240VAC

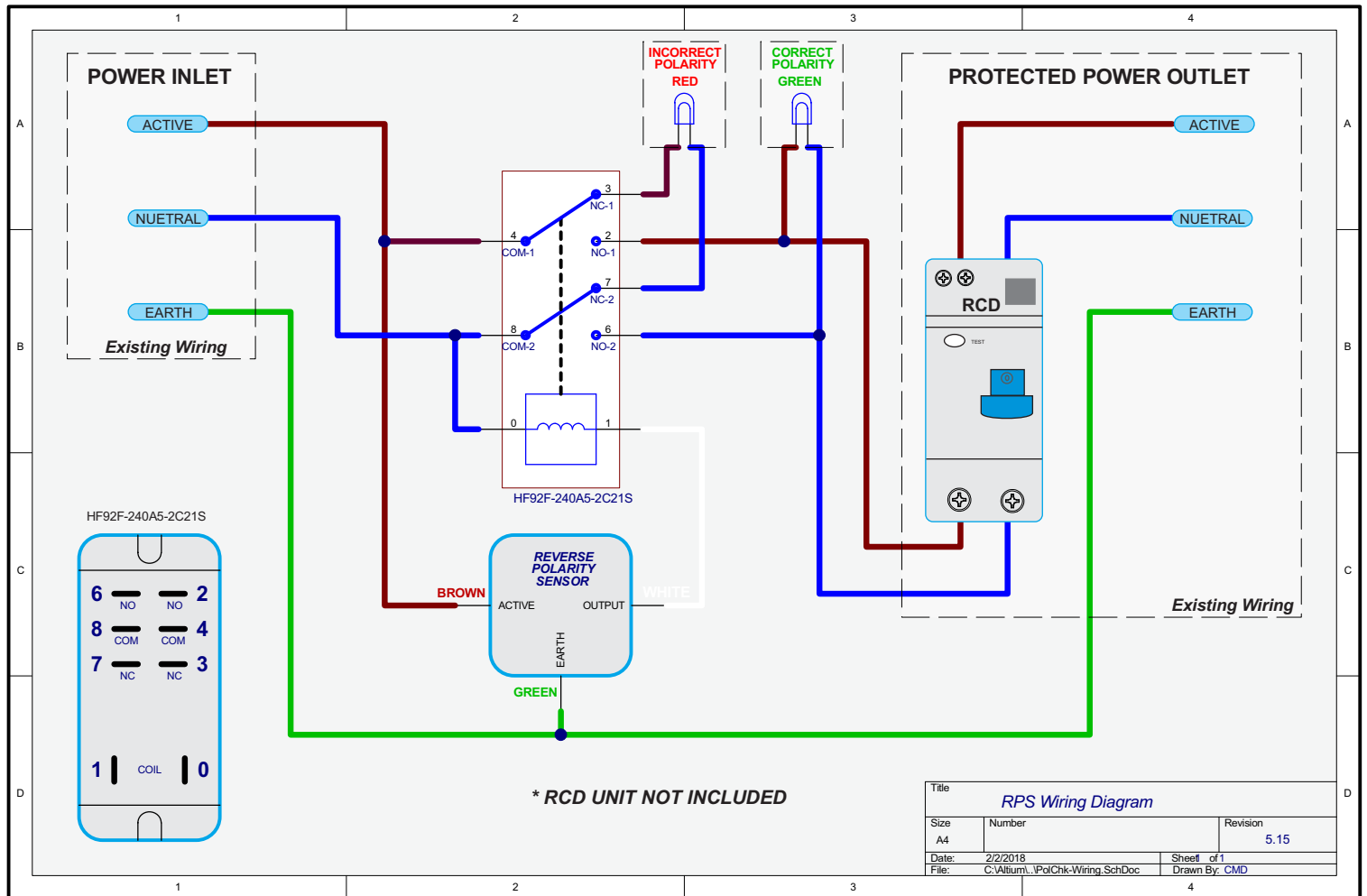○ 1x Red Indicator Lamp

○ 1x Green Indicator Lamp

www.googolplex.com.hk

SENSOR DIMENSIONS

50.00 [1.97]
38.50 [1.52]
50.00 [1.97]
38.50 [1.52]

B
A
A
B

TOP VIEW

15.98 [.63] (INSIDE HEIGHT)
2.00 [.08]
4.00 [.16]
44.72 [1.76] (INSIDE WIDTH)
20.00 [.79]

END VIEW

RELAY DIMENSIONS

$0.8^{+0.04}_{-0.02}$
6.35 $^{+0.08}$
26.4 max
11.4 $^{+0.5}$

68.6 max
59.7 $^{+0.02}$
52 max
$4.5^{+0.25}_{-0}$
16.0
25.4
33.7 max
7.8
7.0
33.2

WIRING DIAGRAM

POWER INLET

ACTIVE
NUETRAL
EARTH

Existing Wiring

INCORRECT POLARITY RED
CORRECT POLARITY GREEN

3 NC-1
4 COM-1
2 NO-1
7 NC-2
8 COM-2
6 NO-2
0   1

HF92F-240A5-2C21S

PROTECTED POWER OUTLET

ACTIVE
NUETRAL
EARTH

RCD
TEST

Existing Wiring

HF92F-240A5-2C21S

6 NO   2 NO
8 COM   4 COM
7 NC   3 NC

1 COIL 0

BROWN
REVERSE POLARITY SENSOR
WHITE
ACTIVE   OUTPUT
EARTH
GREEN

*** RCD UNIT NOT INCLUDED**

Title		
	RPS Wiring Diagram	
Size A4	Number	Revision 5.15
Date: 2/2/2018		Sheet 1 of 1
File: C:\Altium\..\PolChk-Wiring.SchDoc		Drawn By: CMD

WARNING:

This device must be installed by a suitably licenced electrician to meet standards of AS/NZS 3100:2009 Incl A1-4. If used outside Australia or New Zealand, please consult local authorities.
Manufactured and complies with AS/NZS 3100:2009 Incl A1-4. Certificate No. SAA172810 - Maximum switching of 500mA @ 240V ac.
The Polarity Sensor can be applied under the AS3004.2:2008 S5.5.3.2 a.c. *(Protection against reverse polarity in the supply lead)* and can also be used for NSCV Part C Section 5 Subsection 5B *(Electrical)* Paragraph 4.7.1.c *(Shore Supply)* **Please see wiring diagram for specific connectivity.**

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E6441

P-2 (RPS) V.062020