



**Advice on Use of RCD with RPI H5A 222**

**V1.2-01/10/2020**

If an RCD or RCBO is required to detect residual earth leakage currents in the inverter submains or upstream AC cabling, Delta Electronics Australia recommends using a Type AC RCD or RCBO with a maximum differential current setting of 30 mA.

It should also be mentioned that the capacitance between the PV array and earth can provide a path for earth leakage currents to occur from the perspective of an RCD or RCBO installed on the grid input port of the inverter. This value can be no more than 2.5µF.

The following make and models of RCD/RCBO have been tested with the H5A\_222 and found to be compatible. Delta Electronics Australia cannot take responsibility for compatibility with any other makes/models of RCD/RCBO.

<b>Make</b>	<b>Model</b>
ABB	DSN 201 C25 AC30
NHP	MOD6-RCBO-2-25-30
CLIPSAL	Resi MAX, 2P, 40 A, 250 V, 30 mA, AC type
DETA	25 A RCBO - 6645-25b

Ryan McKercher  
Field Application Engineer  
Delta Electronics Australia