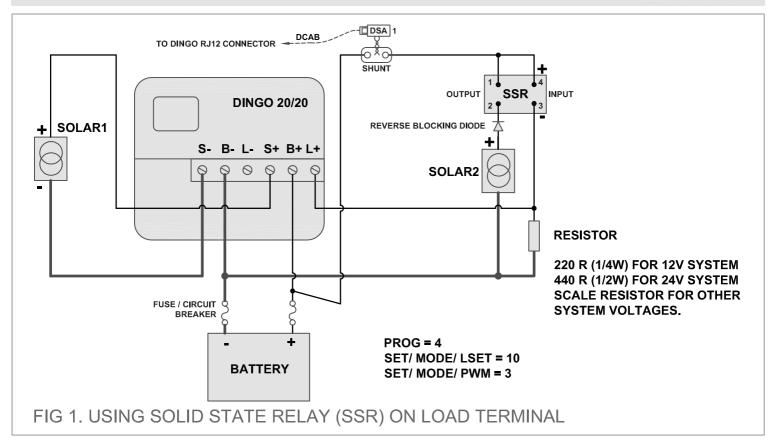
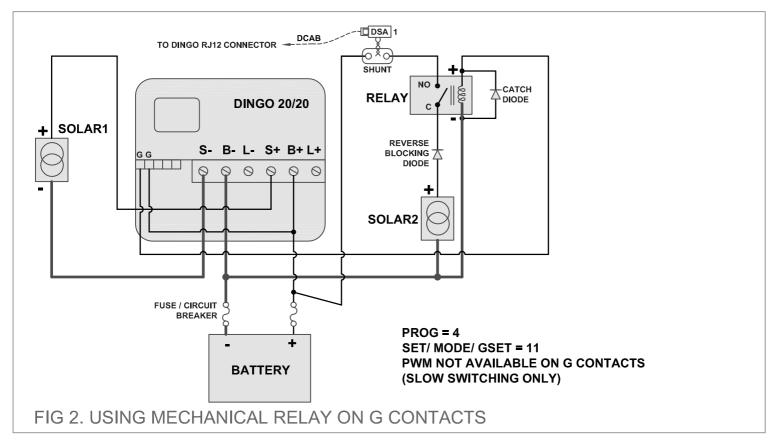
DINGO 20/20 - INCREASING SOLAR CHARGING CAPACITY





NOTES

- THIS DIAGRAM IS FOR REFERENCE ONLY.
- 2. WIRING AND FUSES ETC. MUST BE INSTALLED AS SPECIFIED BY THE RELEVANT AUSTRALIAN STANDARDS.
- 3. THIS CONFIGURATION IS USED TO HANDLE CURRENTS HIGHER THAN THE 20A MAXIMUM AVAILABLE ON THE DINGO REGULATOR.
- 4. RELAY MUST BE RATED FOR THE MAXIMUM BATTERY VOLTAGE AND THE MAXIMUM CHARGING CURRENT AVAILABLE FROM SOLAR2.
- 5. IF USING A MECHANICAL RELAY, A CATCH DIODE SHOULD BE INSTALLED ACROSS THE COIL INPUT.
- 6. IN FIG 1, PWM = 3 ALLOWS PWM CONTROL ON BOTH THE SOLAR AND LOAD TERMINALS. IF A MECHANICAL RELAY IS USED IN PLACE OF THE SSR, PWM MUST BE SET TO 0 OR 1.
- 7. COMMONLY AVAILABLE SSR'S INCLUDE THE JG-33F 30V 100A SSR JAYCAR ELECTRONICS CAT NO. SY4086 WHICH IS SUITABLE FOR 12-24V SYSTEMS. THERE IS ALSO THE CRYDOM D1D40 WHICH HAS A MUCH HIGHER VOLTAGE RANGE (100V 40A).
- 8. REVERSE BLOCKING DIODE SHOULD BE INSTALLED TO PREVENT BATTERY FROM DISCHARGING INTO SOLAR2 AT NIGHT.
- 9. FOR THE REGULATOR TO MEASURE THE SOLAR2 CHARGE CURRENT THROUGH THE RELAY CONTACTS, THE OPTIONAL DINGO SHUNT ADAPTOR (DSA) AND SHUNT IS REQUIRED. V1.11_2010