

Dual Battery Isolator

Feature

1. Dual battery sensing
2. Fully automatic
3. Easy 3 wire connection at the battery. No need to bypass existing alternator wiring
4. Ignition protected
5. Manual Remote Model

Summary

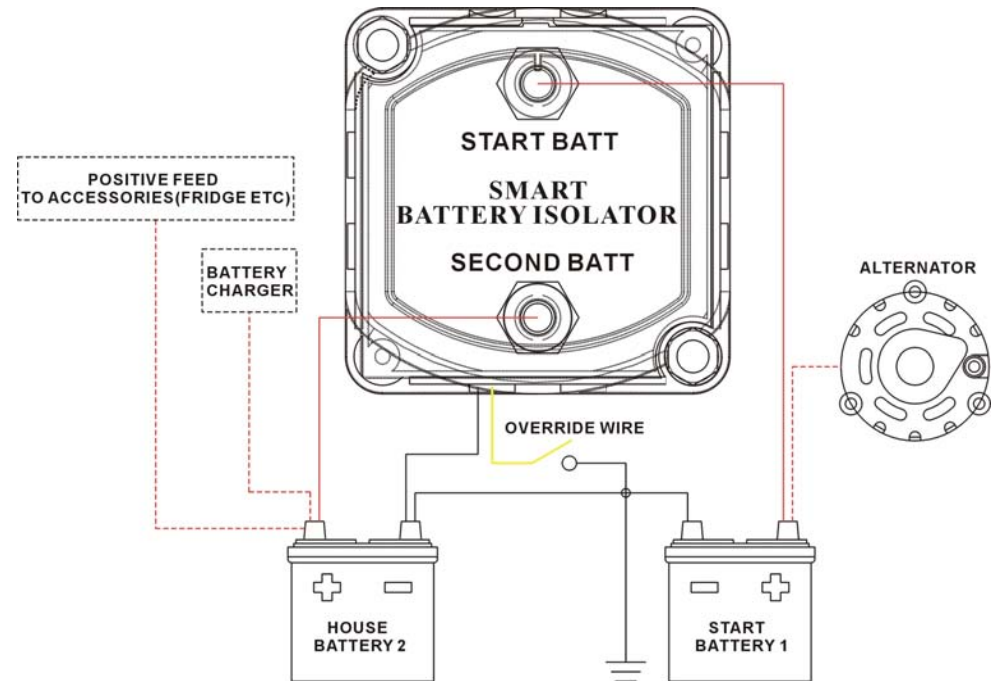
The battery isolator allows two batteries to be charged at the same time. When the engine is started and the start battery reaches 13.7v, the isolator engages, allowing two battery banks (start and house) to be charged simultaneously. When the voltage drops below 12.8v (eg the engine is stopped), the isolator disengages, separating both batteries.

Manual remote override feature: Yellow wire provided is connected with an external switch (unlock switch) on vehicle panel (Note: COM terminal of Switch must be ground). Switch can immediately (no delay) engage or disengaged battery isolator with manual switch in any case of battery voltage input.

Specifications

- Continuous Rating: 140 Amps DC
- Intermittent Rating: 170 Amps DC
- Voltage Rating: 12VDC (max 15VDC)
- Cut in: 13.3V, Cut off: 12.8V
- Remote trigger
- Ignition Protection
- Stud Size: 2 x 6mm
- Operation Temperature Range: -30~ 105 °C

Wiring Diagram :



Be sure to select the correct size cable refer to the voltage drop chart..

Voltage Drop Chart					
Total Cable Length(m)	Total Cable Length (ft)	Amps	Voltage Drop (%)	mm ²	AWG
1	3	50	2.30%	4	11
1	3	100	3.0%	6	10
2	6	50	3.0%	6	10
2	6	100	3.50%	10	7
3	9	50	2.70%	10	7
3	9	100	3.40%	16	5
4	12	50	3.60%	10	7
4	12	100	2.60%	25	3
5	15	50	2.80%	16	5
5	15	100	3.30%	25	3
6	18	50	3.40%	16	5
6	18	100	3.90%	25	3
7	21	50	3.90%	16	5
7	21	100	4.60%	25	3
8	24	50	2.60%	25	3
8	24	100			

Dimension

67.5(L) X 67.5(W) X 53.5(H) mm

