

# Choose the right ACR for your application

**Step 1** Select an ACR that has a **CONTINUOUS** rating above the maximum alternator output rating and an **INTERMITTENT** rating that is above the largest load on the auxiliary battery.  
See page 24 for an explanation.



**Step 2** Review the **PRESET ACR SETTINGS**

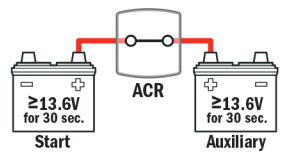
**Step 3** Select the ACR with the desired **PRODUCT FEATURES**

Part Number	7601	7611	7610	7620	7622
<b>CONTINUOUS</b>	65A	120A	120A	500A	500A
<b>INTERMITTENT</b>	115A	210A	210A	700A	700A

## PRESET ACR SETTINGS

### Combine Voltage

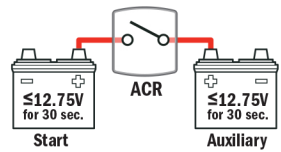
- Charge present
- Voltage in either battery is  $\geq 13.6V$  for 30 sec.
- Relay will close combining batteries
- Combined batteries share charge



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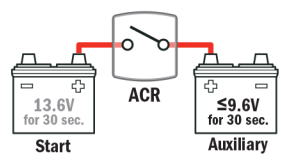
### Open Voltage

- No charge present or loads exceed charge input
- Voltage in either battery is  $\leq 12.75V$  for 30 sec.
- Relay will open isolating batteries
- Isolated batteries do not share charge



### Under Voltage Lockout

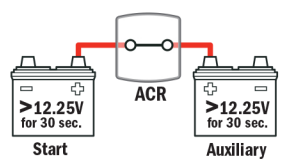
- Charge may or may not be present
- Voltage in either battery is  $\leq 9.6V$  for 30 sec.
- Relay will open isolating batteries protecting the ACR from high current surge
- Isolated batteries do not share charge



## PRODUCT FEATURES

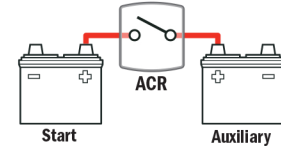
### Auxiliary Battery Priority

- Condition: Engine running
- Open voltage is lowered to 12.25V from 12.75V
  - Relay remains closed longer, combining batteries, to allow use of auxiliary loads for a longer period of time



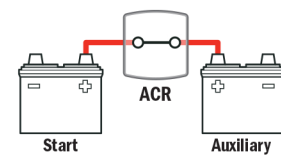
### Start Isolation

- Condition: Engine starting
- Relay is open isolating batteries
  - Batteries are isolated to protect sensitive electronics from voltage sags and spikes



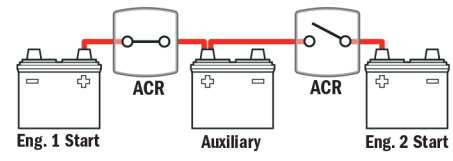
### Start Assist

- Condition: Engine starting - (Press Contura Switch)
- Relay is closed combining batteries
  - Batteries are combined to share power in the event of a low start battery



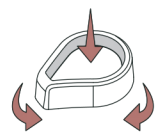
### Engine Isolation

- Condition: Two engines are running
- One relay is open and one relay is closed
  - Engine 1 Start and Engine 2 Start batteries are isolated to protect engine electronics
  - If requested by engine manufacturer



### Manual Override

- Manual override knob provides an added level of safety allowing manual control of functions



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