

# Power Converter 24v Wiring Instructions

When AC power is present, Power Converter will operate compressor at 24v DC from 115v or 230v AC.

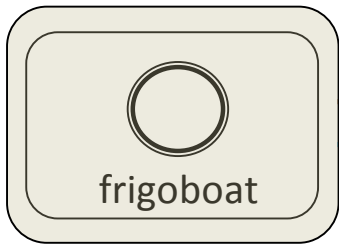
When no AC present, Power Converter will operate compressor from 24v battery supply.

“Light” terminals will give 12v at all times when AC or DC power connected. Max load 15 watts.

Note: Coastal MK II or Guardian must be 12v model.

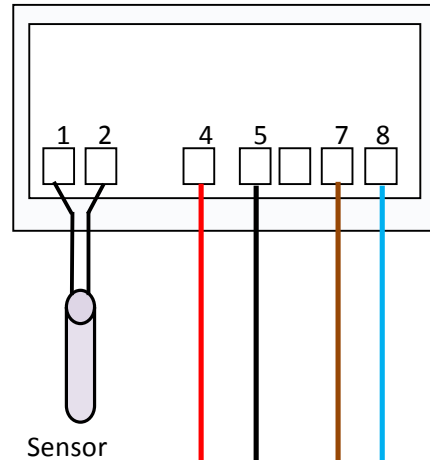
**Either This:**

**Mechanical Thermostat**

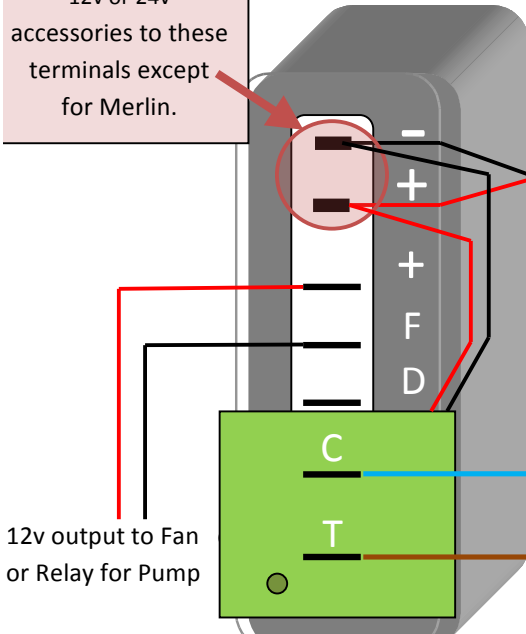


**Or This:**

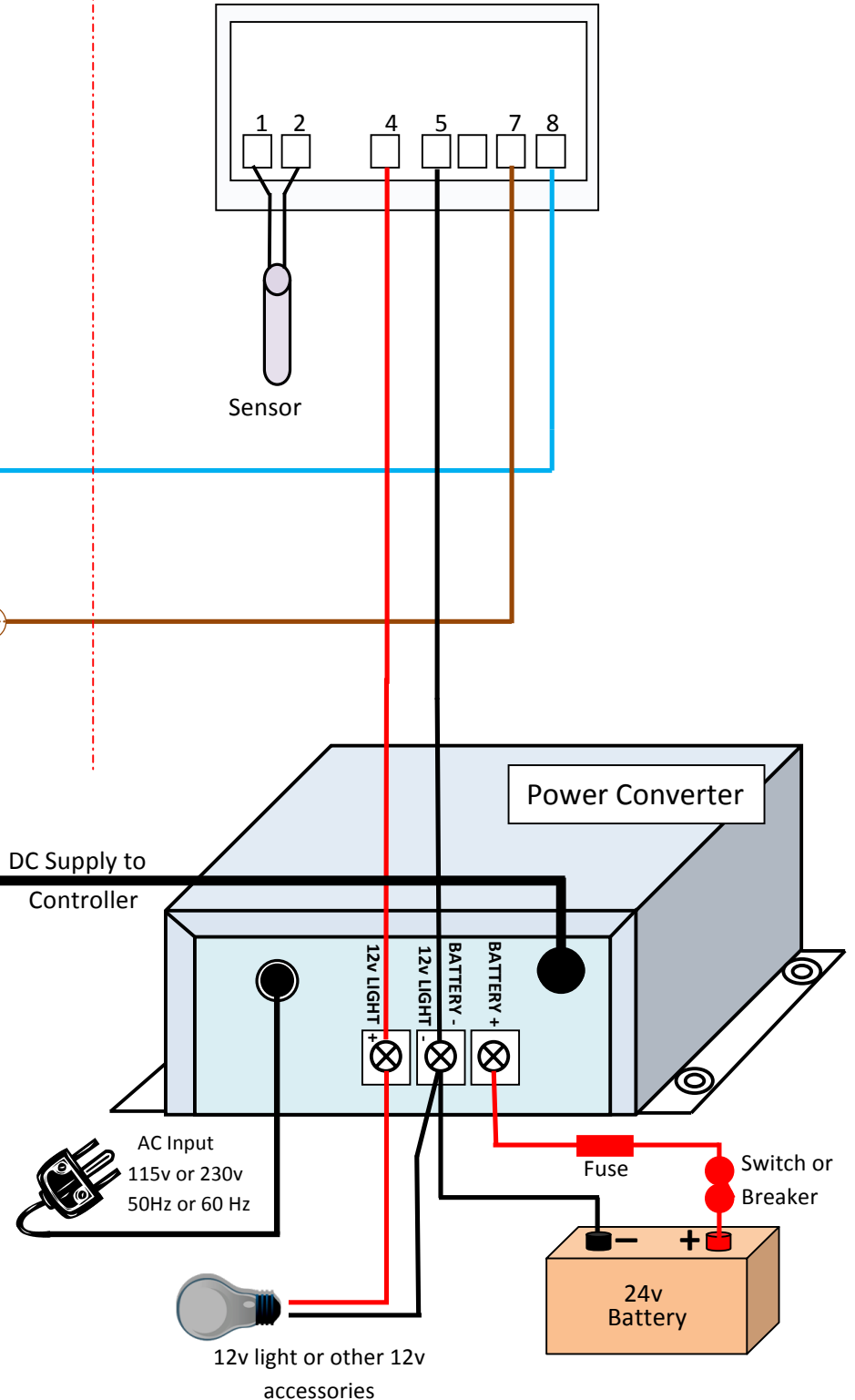
**Coastal MK II 12v Model or Guardian**



Do not connect any 12v or 24v accessories to these terminals except for Merlin.



Danfoss 101N0210 controller  
Shown with Merlin installed



12v output to Fan or Relay for Pump

DC Supply to Controller

AC Input  
115v or 230v  
50Hz or 60 Hz

12v light or other 12v accessories

24v Battery