

Monitoring power and device on/off using 2009 (Comm4 – single board) Pivot Point:

MONITOR POWER ONLY – 120v AC:

1. Connect our Black wire to the 120v source being monitored.
2. Connect our Brown/Black wire to the Neutral of the 120v source being monitored.

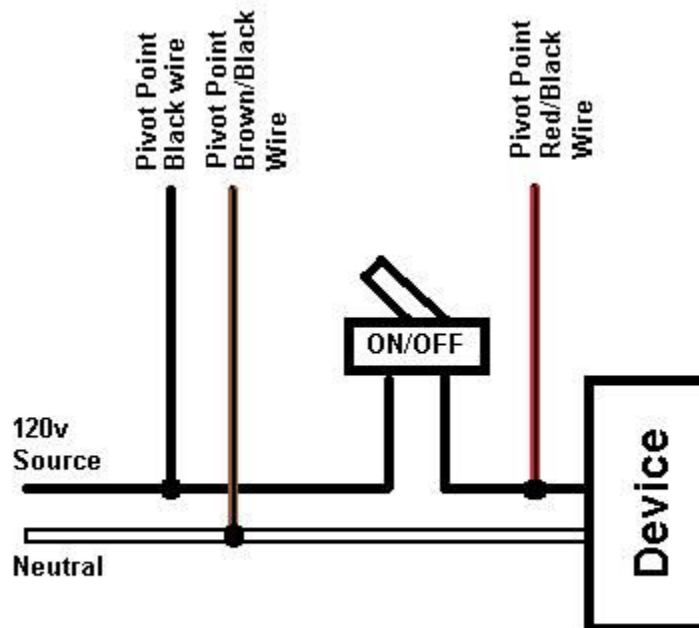
MONITOR POWER ONLY – 7-40v DC:

1. Connect our Yellow wire to the 7-40v DC power source being monitored.
2. Connect our Yellow/Black wire to the GND for the 7-40v power source being monitored.

MONITOR POWER AND DEVICE ON/OFF – 120V AC ONLY:

NOTE: The power being monitored and the power from the device being monitored as on/off must be coming from the same source / same phase and share a common neutral.
(see drawing below)

1. Connect our Black wire to the 120v source being monitored.
2. Connect our Brown/Black wire to the Neutral of the 120v source being monitored.
3. Connect our Red/Black wire to the 120v from the device that is being turned on/off.



Power Requirements for these units:

DC Powered Unit 7-40V DC:

At 12v DC: 1.0A MAX
0.1A - 0.5A during normal operation

120vAC Powered Unit:

At 120v AC: 0.25A MAX
0.05A - 0.15A during normal operation

The above numbers are the current required for our unit to operate. Below is the current the relays in our box can control:

On both AC and DC units, each relay can handle a peak max of 10A, 5A constant (at a max voltage of 120vAC, or 30vDC).