

# R. C. Tronics Incorporated

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## EPC-7

### RCT-01479-00002 Plug-In-Play, Ambulance Power Center with External Compartment Control, RCT-00450

Battery Negatives

CN18-62 Heat Common (Sink)  
CN18-63 A/C Common (Sink)

CN15-80 High Beam In OEM.  
CN15-81 High Beam Out Wig-Wag.  
CN15-82 Left Beam In OEM.  
CN15-83 Left Beam Out Wig-Wag.  
CN15-84 Right Beam In OEM  
CN15-85 Right Beam Out Wig-Wag.

*Dip Switch J, Times Dome Lights. "CN" = On with Battery, "CFS" = On with Ignition Only.  
Dip Switch J "CN" provides constant output.  
"CFS" outputs with "System Enable."  
Dip Switch B "CN" operates R/Dome Lights from PCB-00745 switch #9*

CN01-01 Power Diode, Output.  
CN01-02 Air Bag Dump, Output.  
CN01-03 Left Dome High, Output.  
CN01-04 Left Dome Low, Output.  
CN01-05 Right Dome High, Output.  
CN01-06 Right Dome Low, Output.

CN02-86 Aux # 5 Output.  
CN02-07 Action Area, Output.  
CN02-08 Exhaust Vent, Output.  
CN02-09 Inverter, Output.  
CN03-10 Action Area "ON". (Sink)  
CN03-11 Action Area "OFF". (Sink)

*Dip Switch A, selects which "Dome Lights", operate when "Right Rear or Right Side Doors" open, timed 2 minute off when doors close.  
Dip Switch D, "CN" inhibits timing action as "Action Area Lights", off.  
Dip Switch C, inhibits output of "Low Voltage".*

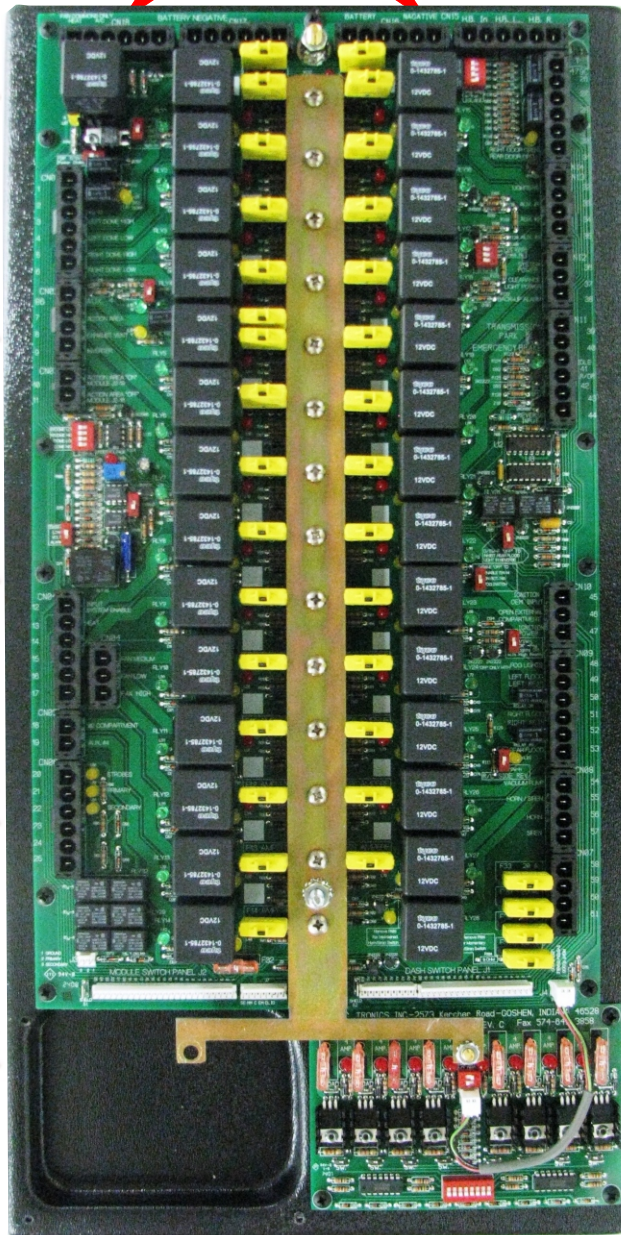
CN03-12 System Enable, Input. (.15 Amp.)  
CN03-13 Heat, Output.  
CN03-14 A/C, Output.  
CN03-15 Fan Medium, Output.  
CN03-16 Fan Low, Output.  
CN03-17 Fan High, Output.

CN04 Fan Medium, Output.  
CN04 Fan Low Output.  
CN04 Fan High Output.

CN05-18 02 Compartment, Output.  
CN05-19 Aux. 4, Output.

CN06-20 Strobes, 12VDC, 1 Ampere, Output.  
CN06-21 Primary, 12VDC, 1 Ampere, Output.  
CN06-22 Secondary, 12VDC 1 Ampere, Output.  
CN06-23 Strobes, Negative Output.  
CN06-24 Primary, Negative Output.  
CN06-25 Secondary, Negative Output.

J3 A B C, Body Flasher Interface  
J2 Module Switch Panel Interface  
J7 Additional Power Relay Interface



*Dip Switch G, Operates Relay 37, terminals 50, 51 & 52 Switch 1, Aux. #1 - Switch 2, Aux. #2 - Switch 3, Aux. #3 Amber Led (PSS) shows operation of relays 36 & 37. (Normally used for Disconnect of Running Lights.)*

CN14-26 Wig-Wag, Right In Low Beam.  
CN14-27 Wig-Wag, Right Out Low Beam.  
CN14-28 Wig-Wag, Left In Low Beam.  
CN14-29 Wig-Wag, Left Out Low Beam.  
CN14-30 Right Door Open, Input. (Sink)  
CN14-31 Rear Door Open, Input. (Sink)

CN13-32 Light Bar, Output.  
CN13-33 Aux. 1, Output.  
CN13-34 Aux. 2, Output.  
CN13-35 Aux. 3, Output.

*Dip Switch K "CN" removes output on Aux. 1, 2 & 3, when "Transmission Is In Park" (Wig-Wag)*

CN12-36 System Power, Output.  
CN12-37 Clearance Light, Output.  
CN12-38 Back-Up Alarm, Output.

CN11-39 Transmission In Park, Input, Sink.  
CN11-40 Emergency Brake, Input, Sink.  
CN11-41 High Idle Output, 300 ma, Sink.  
CN12-42 Left Rear Door, Input.  
CN11-43 Clearance Light, Input. (.15 Ampere)  
CN11-44 Reverse, Input. (.15 Ampere)

*Dip Switch F "CN", inhibits "Rear Flood Lights "CN", in Reverse.  
Dip Switch E "CFS" to enable Switch 14 on PCB-00745.*

CN10-45 Ignition, Input. (.15 Ampere)  
CN10-46 External Compartment Door. (Sink)  
CN10-47 Ignition Power, Output.

*Dip Switch L, "CN", removes Fog Light output when "High Beam Light, Term. SC-S1" is seen.  
Dip Switch E, operates left | right side floods with "Rear Floods"*

CN09-48 Fog Lights, Output.  
CN09-49 Left Front Flood, Output.  
CN09-50 Left Rear Flood, Output.  
CN09-51 Right Rear Flood, Output.  
CN09-52 Right Front Flood, Output.  
CN09-53 Rear Floods, Output.

CN08-54 Vacuum Pump, Output.  
CN08-55 Horn/Siren, Common.  
CN08-56 Horn, Normally Closed.  
CN08-57 Siren, Normally Open.

CN07-58 +12 VDC, F33 Output.  
CN07-59 +12 VDC, F29 Output.  
CN07-60 +12 VDC, F30 Output.  
CN07-61 +12 VDC, F31 Output

J1 Dash Switch Panel Interface  
J4 External Compartment Interface

RCT-00450 External Compartment Control

**THIS POWER CENTER IS COMPLETELY PLUG-IN-PLAY. INCLUDING FRONT AND REAR SWITCH MODULES.  
WE PROVIDE A COMPLETE, NO QUESTION ASKED ONE YEAR WARRANTY.  
ALL REPAIRS MAY BE DONE BY END USER.**

All Inputs and Outputs are Monitored with LEDs, makes Trouble-Shooting a visual event.

All Fuses Monitored for "Open" by a Red LED.

Twenty-Eight, Circuit Breaker Protected Power Relays Provide +12 VDC @ 20 Ampere For All Loads.

22 3/8 inches x 11 3/8 inches X 2.5 inches deep.