

# **R. C. Tronics, Incorporated**

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## **PCB-01755 Ambulance Power Center Type 2 Dash Switch Assembly**

- 1. Emergency Master Switch. (Enables primary/secondary, light-bar, wig-wag and horn/siren switches, with ignition)**
  - 2. Primary-Secondary Switch. (Provides sinking & sourcing signal with ignition)(PRI-SEC.)**
  - 3. Light-Bar Front Switch. (Relay 1 output, 12 VDC @ 30 ampere)(LBAR)**
  - 4. Wig-Wag Switch. (Relay 2 output, 12 VDC @ 30 ampere)(WAG.)**
  - 5. Siren Horn Switch. (Relay 24 output 12 VDC form C contact)(H/R)**
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- 1. Module Master Switch. (May be enabled on module switch assembly)(M/ON-M/OF)**
  - 2. Left Flood Switch. (Relay 3 output, 12 VDC @ 30 ampere)(LFLD)**
  - 3. Right Flood Switch. (Relay 7 output, 12 VDC @ 30 ampere)(RFLD)**
  - 4. Rear Flood Switch. (Relay 4 output, 12 VDC @ 30 ampere)(BFLD)**
  - 5. Back-Up Alarm Cancel Switch. (Relay 23 output, 12 VDC output @ 30 ampere)(B/UP-R/SW)**

**Note: Left-Right-Rear floods will have respective door inputs to operate the flood lights associated with the opened door. Right door open will operate right dome high, left, rear door open will operate left dome high, Additionally, rear floods will operate when vehicle is placed into reverse.**

## **Module Switch Assembly**

- 1. Module Master Switch. (Module may be enabled on dash switch 2)(M/ON-M/OF)**
  - 2. Left Dome, High-Low Switch. (Relays 20 & 21 output 12 VDC @ 30 Ampere)(L/LO-L/HI)**
  - 3. Right Dome, High-Low Switch. (Relays 18 & 19 output 12 VDC @ 30 Ampere)(R/LO-R/HI)**
  - 4. Action Area Switch. (Relay 22, output 12 VDC @ 30 ampere)(ACT.)**
  - 5. Vacuum (Suction) Switch. (Relay 8 output, 12 VDC @ 30 ampere)(VAC.)**
  - 6. Inverter Switch. (Relay 5 output, 12 VDC @ 30 ampere)(INV.)**
  - 7. Exhaust Fan Switch. (Relay 6 output, 12 VDC @ 30 ampere)(EXH.)**
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- 1. Rear Heat & A/C Switch. (Relay's 9 & 10 output, 12 VDC @ 30 ampere)(HEAT-AC)**
  - 2. Fan, Low-Med-High Switch. (Relays 11, 12 & 13 output 12 VDC @ 30 ampere)(F/LO-F/HI)**

**Note: Operating "Rear, Heat or A/C Switch will start fan at medium speed.**

**The fan may then be switched to high or low speeds.**

**You may also wire the thermostat direct for automatic control.**

**Heating and cooling control switches can be mounted separately from dash and module switch assemblies.**

**Door Open, J5, Shows Left, Right or Rear door is open.**

**Clearance Light Relay Output. (Relay 17, 12 VDC @ 30 ampere.)**

*Three ignition relays, 14, 15 & 16 provide three separate circuits for a total of 90 amperes, rated 12 VDC.*

*Two battery circuits provide a total of 60 amperes.*

*All fuses are monitored with a red indicator to provide visual indication of open fuse.*

*All energized relays depicted with amber indicators.*

*All outputs show power output with green indicators.*

*System completely “Plug-In-Play”. Provides rapid replacement of control.*

*All connections keyed, cannot interchange cabling.*

*All switches pad printed with staged lighting.*

**To order a complete system:**

- 1. RCT-01755-00000, Power Center. (RCT can install special fuse arrangement specified by end user.)**
- 2. RCT-XXXXX-XXXXX, Front Switch Panel, to include all pad printed switches and rear PCB-01752.**
- 3. RCT-XXXXX-XXXXX, Rear Switch Panel, to include all pad printed switches and rear PCB-01753.**
- 4. RCT-XXXXX-XXXXX, Heat/AC Switch Panel, to include both pad printed switches and rear PCB-01754. (PCB-01754 with pad printed switches may be mounted into front or rear switch assemblies. Data cable DAT-01XXX-01000 may be wired to thermostat. If done, item #4 may be omitted.)**
- 5. DAT-01350-00XX0 Fifteen Conductors. (J1/RCT-01755 to J1/PCB-01752 to front switch.)**
- 6. DAT-01758-00XX0, Thirteen Conductors. (J2/RCT-01755 to J1/PCB-01753 to rear switch.)**
- 7. DAT-01757-00XX0, Seven Conductors. (J3/RCT-01755 to J1/PCB-01754 to Heat/AC switch.)**
- 8. DAT-01347-00XX0, Four Conductors. (J4/RCT-01755 to Body Flasher.) or use (DAT-01347-01XX0 for RCT-00772, body flasher.)**
- 9. DAT-01345-00XX0, Two Conductors. (J5/RCT-01755 to Door Open Indicator.)**

**NOTE: Replace XX with desired cable length in feet.**

**MOLEX CONNECTOR KIT, RCT-MOLEX-00011**

**MOLEX CRIMPING TOOL, 63811-0400**

**MOLEX PIN EXTRACTOR TOOL, 63813-2700**

**MOLEX TERMINAL PIN, 43375-0001**

