



**Tech Works** new **Clinic-Call** is the latest in the state of the art digital communications, with beautiful modern station hardware, using the latest in LED lighting and energy efficient design. Stations are clearly labeled for their functions, so the learning curve of staff is minimal. Whether it is Room Status, Staff Assistance, or Patient Arrival that is required, all staff needs to do, is recognize a color and push the button.

Tone options can be included at Dome Lights, Annunciator Panels, or as modular stand-alone Tone units to be placed as required throughout the facility to get people's attention. The new designs allow the installer to assign the Tone to any or all colors as required.

Installation is a simple two twisted pair network with wiring running from one station to the next. Because the stations communicate with one another over the network, addressing of the stations associates one station with another station. So if you want a Button panel to light a remote Dome Light, all the installer has to do is set the addresses to match one another. To have an Annunciator represent a group of Buttons and Lights just set the address to match the addresses to be displayed.

# Clinic-Call

## Out Patient Medical Facility Communication System

### BENEFITS

- Easy to Install
- Easy to Program
- Easy to Operate
- Durable Construction
- Two Twisted Pair Cable

### Design Information

<b>Power</b>	11-25V DC
<b>Color</b>	White
<b>Mounting</b>	Standard Back Box

### Architects' and Engineers' Specifications

The Light Signaling System shall be state of the art digital communications system using distributed processing to signal the lights and buttons throughout the clinic. Lights shall be energy efficient LEDs for reliable signaling with super bright output.

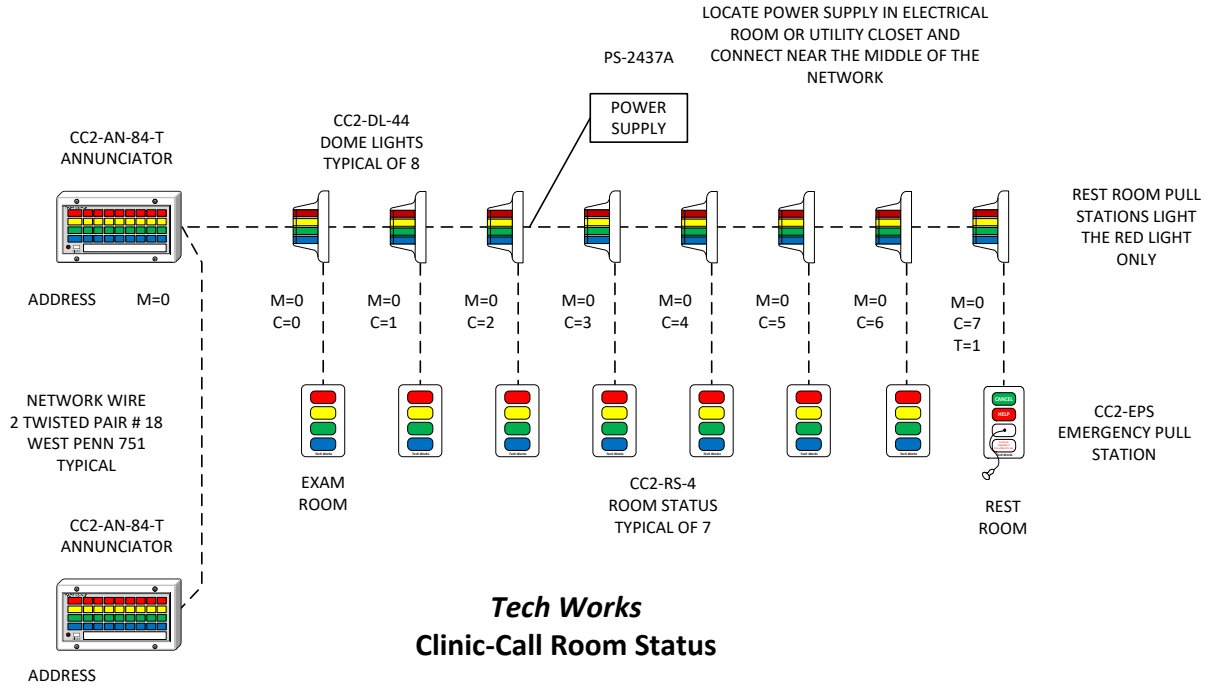
The system shall operate on two twisted pair parallel wiring. Any system that requires more than two twisted pair wire and is not installer programmable will not be considered under this specification.

The Light Signaling System shall be  
Tech Works Clinic-Call



# Tech Works®

"Making Specialized Communication Easy"



W B B  
H L R  
T A E  
C D C  
E K K

T R + -

○	○	○	○
○	○	○	○
○	○	○	○
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Wiring is four screw terminals to interface to the Tech Works Network. The Network is 2 twisted pair wires. One Pair of wires is Network Communication data and the other pair is power.

Be sure to tighten the screw on the wire tightly. U.L. Torque Spec: 3.5 lb. / in.

The first pair is RS485 terminated bus topology, operating at 39K baud in a parallel connection plan. Because this is a distributed processor system, each intelligent device contains a micro controller, so there is "NO Central Processor". Each device is totally self-contained and can be used as a stand alone or in combination with any other intelligent device.

The second pair is 12 VDC power in a parallel connection plan.

The system is designed to operate on unshielded twisted pair cable from 24 to 18 AWG. The twist of the cable is critical to the proper communication of data on the network to avoid noise interference. Any standard voice grade twist should provide adequate noise cancellation under normal operating conditions. All wiring is NEC Class 2.

