CASCADE SIGNAL

DESIGN FEATURE HIGHLIGHTS OF THE CASCADE SIGNAL P44 TS1 CABINET

THE UNIVERSAL PANEL

1. It is universally wired to accept any NEMA TS1 controller. On the left side of the cabinet, we have a panel we call the "U Panel". This panel contains all detector outputs from the card cage, all controller vehicle call inputs, and controller phase greens. This provides one central panel to connect or change detector outputs to the desired controller input.
2. This panel also contains all D cable functions that enter the panel via a connector on the panel. We provide a cable that mates with this connector on one end, and the other end will mate with the specified controller or pin assignments as defined by the customer. By doing this our cabinet is not locked into any one controller. To change to a different controller all one must do is change this cable.

THE CONTROL PANEL

3. The control panel is covered with a complete plastic cover that hinges up to access the switches.
4. The switches provided and operation is consistent with customer requirements.
5. The panel is a closed metal box, with no openings that expose live power.
6. The whole assembly hinges down to give access to the inside of the panel.

THE LOADBAY

7. Our load bay is wired for 8 phase, 4 ped, 4 OL, and 4 EVP acknowledgement lamps.
8. The layout is very intuitive. Aligned and above each phase load switch is a dual 10 position terminal strip. This terminal strip has all functions related to the associated phase.
9. All wiring that is 120VAC is black. If it is for a red, yellow, or green circuit it will have a colored trace to match the function. All low voltage wiring is not black, and they also have a color trace to match the function.
10. Flash programming is done with molex connectors. No tools are required to change programming. Additionally, these connectors give the option to select which flasher circuit is used for each phase.
11. Monitor ped inputs are selected with the use of banana jumpers. This allows very easy changing of a ped phase.
12. The load bay is 34 inches wide and will swing down while hot without interference with the side-mounted panels.
13. A 24VDC disconnect relay is provided to remove 24VDC from load switches during flash. This prevents the possibility of having controller outputs being display while in flash. This situation can occur with a low line voltage.

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