

The Tech Works **5220*-ZL** is a, Super Bright, all Solid-State, Zone Light that doubles as a Duty Station when the Tone option is added. With four LED's that display the status of any Substation in groups, as assigned by the integral dip switches. The four LED's are Super Bright, Dual Element Red, Yellow, Green, and Blue (Bright Colors) or Pink, White, Ice Blue, and Purple (Pastel Colors) to easily identify functions or staff. Intelligent Data Network Communication allows the status of system lights to be displayed on the Zone Light based on address switch settings. Two sets of four-position dipswitches program the Substation address and function. See detailed switch settings on the back of this page to select options.

5220*-ZL//*** LIGHT SIGNALING ZONE LIGHT**

INTELLIGENT STATION w/4 LIGHTS

- * Suffix "B" (5220B) for Bright Colors
"P" (5220P) for Pastel Colors
- ** Optional Suffix "S" (5220B-S) for Screw
Terminals to Support Passive Devices
- *** Optional Suffix "T" (5220B-T) for Tone

BENEFITS

- Low Power
- Ultra Bright LED's
- Solid-State - No Maintenance
- Easy to Program

Design Information

12 VDC - @ 48 mA Minimum / 240 mA Max
Dimensions - 2.75" W, 4.5" H, 1.25" D
Standard 1-Gang Electrical Box Mounting
Wiring is Two Twisted Pair Cable

Tech Works™

"Making Specialized Communication Easy"

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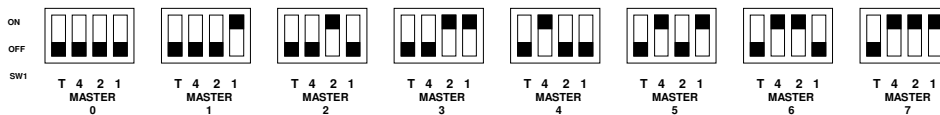
Web site **www.tech4people.com**

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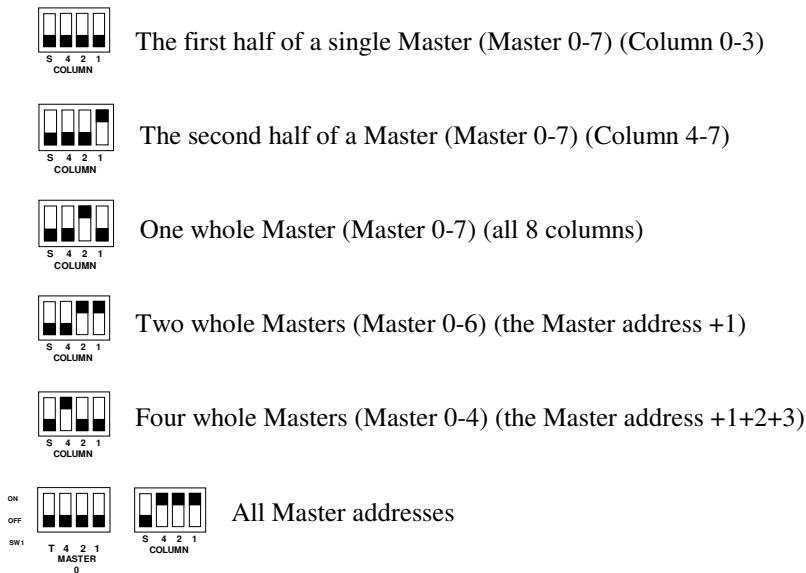
Programming

The Tech Works 5220*-ZL is an intelligent microprocessor device capable of displaying the status of multiple stations on any Light-Call system. A single 5220*-ZL can display the status of a group of 4, 8, 16, 32, or 64 substations. It monitors the network and if a substation on the system sends a message indicating a light status the Zone Light looks to see if it is assigned to display that station's status. If this station is programmed to display a message it checks to see if any other assigned station is currently active with a higher priority signal. A flashing light is always a higher priority than a steady light. So if the only signals on the system assigned to a Zone Light are steady then the light will be steady. If a substation assigned to a Zone Light has a Flashing Light signal of a given color that colored light will be Flashing on the Zone Light.

Each Zone Light has 2 sets of dipswitches which set the address and function of the unit. The Master address sets the Master or lowest address Master for the Zone light to Monitor. The Master address should match the address of the substations to be monitored 0-7. The very first switch on the Master address is labeled "T" for Terminator. This is a network terminating resistor and should only be turned on on the first or last unit on the end of the wire.



The dipswitch labeled "Column" is used to set the functional operation of the Zone Light. Each unit has the ability to monitor the first half of a single Master (Column 0-3), the second half of a Master (Column 4-7), a whole Master (all 8 columns), two whole Masters (the Master address +1), four whole Masters (the Master address +1, plus the Master address +2, plus the Master address +3), or All Master addresses. These functions are accomplished as follows.



An optional Tone can be added to the Zone Light to draw attention to changes in the lights. The tone can make a sound whenever any light changes or in can be programmed to only sound when a Red or Top light is Flashing.

