



Wireless Innovations for the Production Floor

## Technical Notes

### Stack Light Options

Note 121- Rev. 0

Andon Lights [Stack Lights] are available in modular form with the ability to have anywhere from 1 to 5 lights in any color order requested. They can be built to be (a) directly attached to an input module (e.g. call station), (b) remote or (c) wireless.

The VersaCall 4 Button Call Station can trigger the lights to flash when the alarm button is first pressed and change state to solid when the alarm is acknowledged.

The VersaCall's Reason Code Module and Data Input Module can trigger the lights when a button is pressed or when a dry-switch contact is triggered. The lights can be programmed to change from flashing to solid.

A light can be turned on or stay on even if there are no active alarms. Normally this would be a green light however this can be custom to any other color light depending on the customer's application.

There are 3 different options for lights integrated directly with input modules:

#### (a) Directly Attached

Used when the light and module is required in the same location.



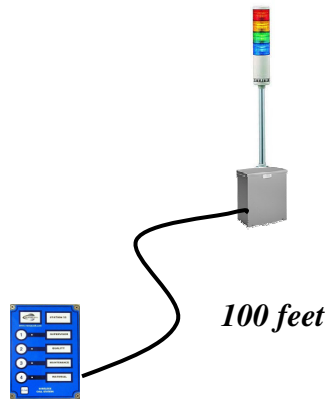
1. 1 foot pole.
  - a. The stack light is mounted to the top of the module with all wires running internal to the module.
2. 1 meter pole
  - a. Mounted the same as the 1 foot pole
  - b. External bracing of the pole required for mounting
3. Conduit
  - a. Mounted the same as all other poles
  - b. As with the 1 meter pole external bracing is required



Remote light application refers to lights connected to the input modules via a conductor wire.

**(b) Remote Lights:**

Used when the light is required to be at the end of a production line and the module is mounted in the middle or when the lights are required to be hung from the overhead. The lights will be attached to either a metal or plastic box and can have either a 1 foot or 1 meter pole. A 6 conductor wire will be used to connect the VersaCall Notification Module with the lights with the cable exposed or if required run in a conduit. Cable runs up to 100 feet can be accomplished with this method however with longer runs a higher gage wire should be used.



**(c) Wireless Lights:**

In this application the lights are to be placed in a location so far from the notification module that the remote light is not possible.

The lights will be configured just like the remote light with the addition of a secondary circuit board incorporated in the base of the light tower. This module will receive radio messages from the main system and depending on what the message says the lights will respond by turning on, flash or turn off.

