

## OPERATION:

- The ES600 Series and Custom DSI Zone Annunciators offer an attractive unit that can be used to monitor the status of a N/C (default, N/O by special order) dry contact input. [Custom and Modified units are identified by a Custom Job Number or a Modified ES600-XXX series model number]
- The standard ES600 series units may monitor from 4, 8, or 12 zones. These are available as wall mount, and optionally as desktop models.
- If an Input Zone is violated, the corresponding Zone's Red LED will flash, and the (N/O) Global Alarm Output will change state, and the Audible alarm will sound until acknowledged by pressing the "ACK" button. (labeling may differ on Custom units)
- After Acknowledgement, the Red LED will remain on until the Input contact is restored to normal.

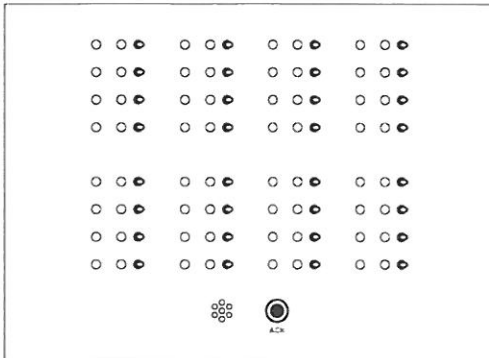
### Options:

- Zone Output Relays are provided to pass on zone status to remote monitoring equipment, via dry contact. (N/O default, N/C by special order)
- Shunt Switches are provided to bypass each zone. LED goes Green when in Shunt/Bypass mode.
- Supervised Input circuits are provided to monitor for tampering of the input connection and to annunciate a Tamper condition with an Audible Alarm and Amber LED. (See Page 2 for detail)

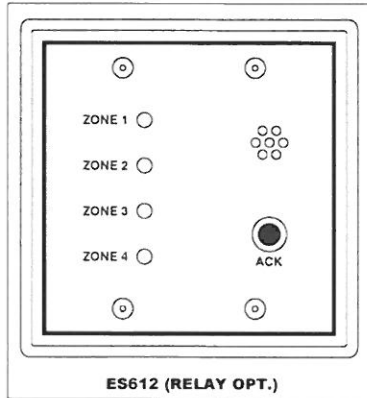
## INSTALLATION:

- Place a grounded, 2 ½" deep electrical box (1,2, or 3-Gang, as appropriate) at an accessible spot on the wall. (Custom: Desktop, Rack Mount and other Panels may be mounted as per customer specification.)
- Connect the cable shield, green ESD ground strap, and electric box to building ground.  
NOTE: Failure to properly ground the electrical box, cable shield, and ESD ground strap may result in Non-Warranty Damage to the Annunciator as a result of electrostatic discharge during normal use.
- Connect the Input pairs to each zone to be monitored. See detail on next page. (Input is N/C default, N/O by special order)
- If **Global Alarm Relay Output** monitoring is specified, connect the Gray wires (from Sounder) to a remote monitoring station.
- If **Zone Relay Output option** was ordered with unit, connect appropriate wires from the zone outputs to the remote monitoring equipment. See diagram on next page for wiring detail. (N/O default, N/C custom)
- If **Supervision option** was ordered with unit, see diagram on next page for wiring detail. The Yellow and Gray pairs on the connector are N/C Tamper Output, and N/C Alarm Output, respectively.
- Connect to a 12VDC\* power source to the Red (+) and Black (-) wires. \*See Current requirements in "Specifications" on reverse. Additional detail on next page.

### TECHNICAL REFERENCE



CUSTOM PANEL W/SHUNT & SUPERVISION OPTIONS



ES612 (RELAY OPT.)

#### WIRING NOTES:

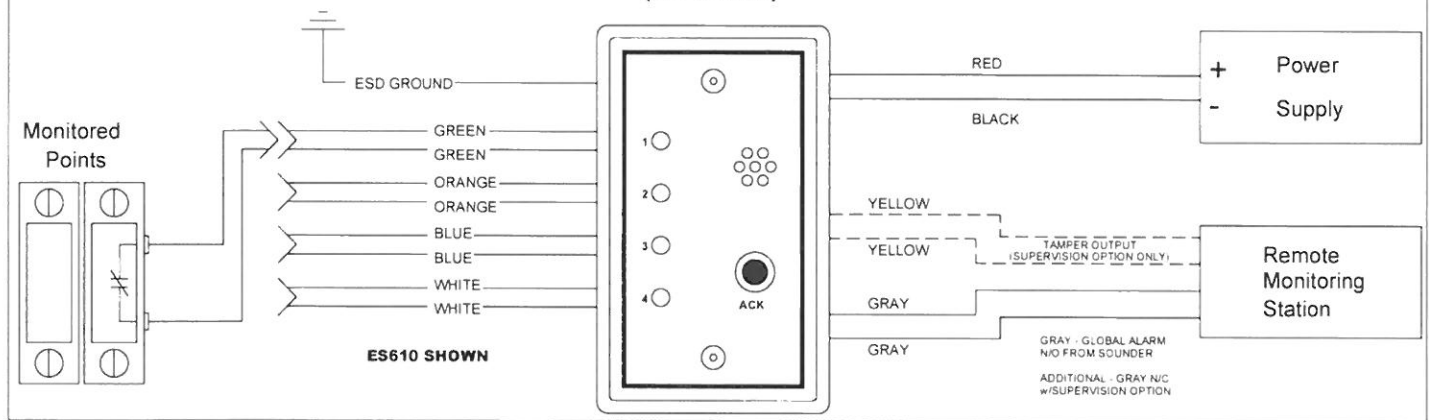
Wire Colors and associated Functions are the same on all ES600 and Custom products.

Supervision Option has unique Power/Output board and connector. See "SUPERVISION OPTION I/O"

Supervision Option has unique Input requirements. See "WIRING DIAGRAM FOR SUPERVISION OPTION"

Some Custom and Modified products may have different Input and Output characteristics. Job Specific instructions are provided for these units.

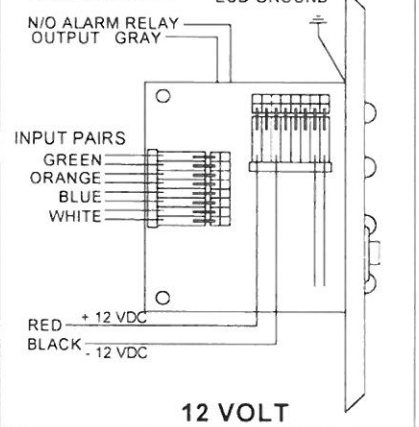
### WIRING DIAGRAM (12 VOLT)



### SPECIFICATIONS

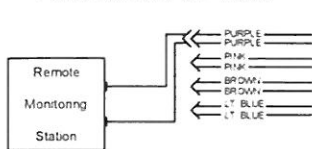
<b>Model:</b>	ES600 - 12 VDC Series	<b>Power:</b>	12 VDC
	ES610 - 4 Zones		@150mA
	ES620 - 8 Zones		@300mA
	ES630 - 12 Zones		@500mA
	CUSTOM -		Calculate using above data
<b>Adjustments:</b>	None	<b>Input:</b>	N/C Dry Contact (Standard)
<b>Mounting:</b>	1 gang X 2.5" ES610-611	<b>Outputs:</b>	All Dry Contacts - 500 mA@30 VDC
	2 gang X 2.5" ES612-621		Global Alarm N/O (Gray/from Sounder)
	3 gang X 2.5" ES622-631		Relay N/O (w/Relay Option only)
	4 gang X 2.5" ES632-635		Global Alarm N/C (w/Supervision only)

#### STANDARD



## OPTIONS WIRING

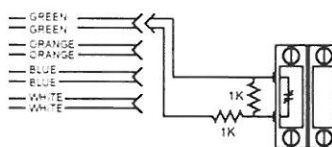
#### WIRING DIAGRAM FOR RELAY OPTION



#### ZONES



#### WIRING DIAGRAM FOR SUPERVISION OPTION



#### SUPERVISION OPTION I/O WIRING

