

GEPA RA-06 6 CHANNEL ALARM ANNUNCIATOR USER GUIDE

1. General

GEPA RA-06 6 Channel Annunciator is intended to use in substations and power stations for alarm annunciation.

- 6 channel alarm annunciator
- Trip and horn contact outputs
- Optional internal buzzer (RA-06B)
- Optional 6 repeater contact output (RA-06S)
- LED test button
- 96x96 mm dimensions
- 24 / 110 / 220 V_{DC} auxiliary supply voltage

Order Code	Trip Contact	Horn Contact	Buzzer	Repeater Contacts
RA-06	•	•		
RA-06B	•		•	
RA-06S	•			•



- Read this document before montage and wiring.
- Make sure device is not energized before wiring.
- Do not touch terminals while device is energized.
- Montage and wiring must be done according to document by qualified person/people.
- Use dry cloth to clean. Do not use chemicals that may lead deformation or corrosion.
- Warranty is valid for 2 years from invoice date, batteries are excluded from warranty.
- Warranty will be violated under these conditions; unauthorized modifications, opening enclosure and removing warranty label.
- This device is intended for use in indoor and industrial environment.
- Manufacturer or sales company is not responsible of faults if user doesn't obey recommendations at the above.



Contact with high voltage ($\geq 42.2V_{ACpeak}$ or $\geq 60 V_{DC}$) may cause electrical shock and injury.



This product conforms to Low Voltage Directive (LVD) 2014/35/EU and Electromagnetic Compatibility (EMC) Directive 2014/30/EU.



Consult us for recycling or disposal of the device and batteries according to WEEE directive.

GEPA

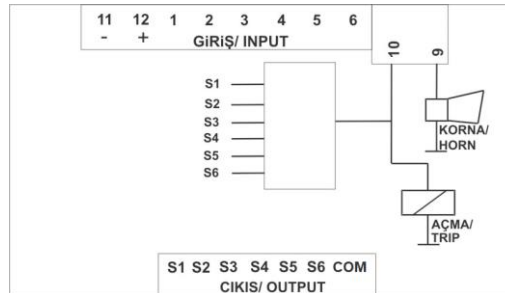
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2. Montage and Wiring

- Mount enclosure to the proper cut hole in your panel.
- Make sure auxiliary supply voltage is not present while wiring.
- Apply auxiliary supply voltage after make sure all connections are correct.
- Don't apply auxiliary supply voltage other than written on the back of the device.



3. Usage

3.1. Trip Contact

Trip contact closes in case of alarm detection. Input channels that triggers alarm contact is configurable via back panel dip-switches. This configuration is works as an OR-gate. The contact keeps closed position until alarm signal is present in input and reset button is pressed. The contact returns to open position when signal is gone and reset button is pressed.

3.2. Audible Warnings

Horn contact closes in case of alarm detection. Output relay keeps closed position until an operator acknowledges alarm by pressing Reset or Mute button.

RA-06B model has an **internal buzzer** to eliminate horn cost for small areas. The buzzer works until an operator presses Mute button.

3.3. Repeater Output Contacts for SCADA

There is a **repeater output contact** for each alarm channel. Each repeater output contact is related with its own input. A repeater output contact closes when alarm is detected at its inputs. The contact(s) keeps closed position until signal is gone and reset button pressed.

3.4. Buttons

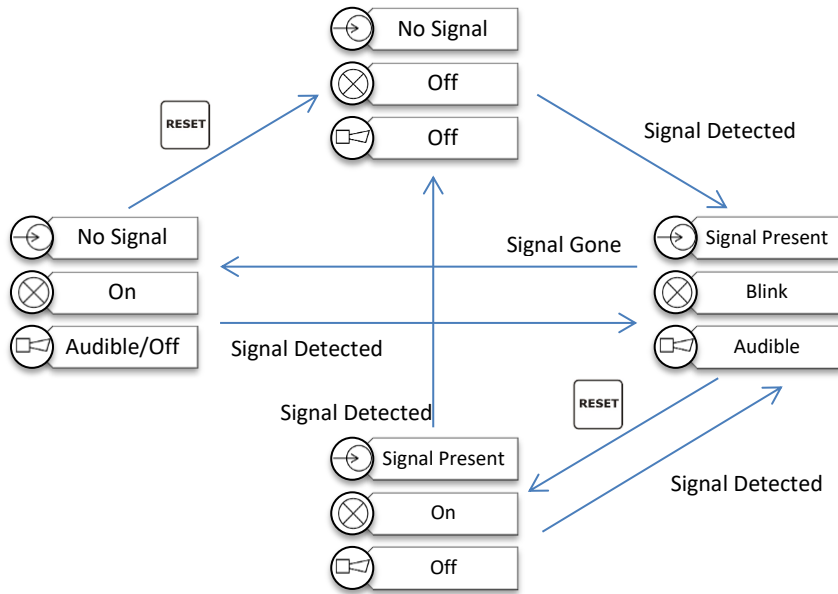
Test button is used to observe front panel LEDs are working.

Mute button is used for silence audible alarms. If there is an audible alarm, pressing mute button will trips horn contact output to open position and turns off buzzer.

Reset button is used for clearing alarms and silence audible alarms. If operator presses reset button when signal is gone, related alarm will be cleared, silence audible alarms and device returns to normal condition. Please check alarm sequence diagram for comprehension.

3.5. Alarm Sequence and Indication

The device alarm sequence is described in diagram at the below:



4. Technical Specifications

Auxiliary Supply Voltage (U_n)		24 V _{DC}	20 – 30 V _{DC}
		110 V _{DC}	70 – 150 V _{DC}
		220 V _{DC}	180 – 250 V _{DC}
Digital Input Voltage Range		U _n	
Power	RA-06	1.1 W _{max}	
Consumption	RA-06S	2.6 W _{max}	
Contact Outputs		5 A / 30 V _{DC} , 10 A / 250 V _{AC}	
Operation Temperature		(-25) – (+55) °C	
Storage Temperature		(-30) – (+75) °C	
Ingress Degree	Front	IP 40	
	Back	IP 00	

5. Enclosure Dimensions

