

AMP/AMP-HOUR CONTROLLER

GAH

FEATURES

- Accuracy: $\pm 0.1\%$ F.S. ± 1 digit (DC)
 $\pm 0.2\%$ F.S. ± 1 digit (AC)
- Measuring AC, DC Voltage / AC, DC Current
- High brightness dual LED display range: -199999~999999; decimal point selectable
- Baud rate up to 38400 bps; sampling time up to 60 cycles / sec
- Restore factory calibration setting available
- Buzzer function available
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- High stability, non-flammable case (PC), high safety
- CE approval



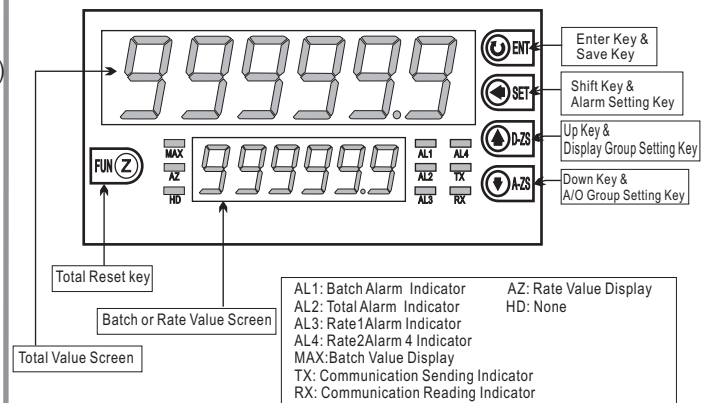
ORDER INFORMATION: GAH - Code 1 - Code 2 - Code 3 - Code 4 - Code 5 - Code 6 - Code 7 - Code 8

| Code 1 | Input Type | Code 2 | Voltage | Code 2 | Current | Code 3 | Aux. Power | Code 4 | Batch Alarm | Code 5 | Total Alarm | Code 6 | Rate Alarm | Code 7 | Analog Output | Code 8 | RS-485 |
|--------|------------|--------|---------|--------|---------|--------|---------------|--------|----------------|--------|----------------|--------|------------|--------|---------------|--------|--------|
| D | DC | V1 | 0~50mV | A1 | 0~20uA | A | AC/DC100~240V | N | None | N | None | N | None | N | None | N | None |
| A | AC AVG | V2 | 0~5V | A2 | 0~200uA | B | DC 12V | R | 1 Relays | R1 | 1 Relays | A | 4~20mA | A | 4~20mA | Y | Yes |
| M | AC TRMS | V3 | 1~5V | A3 | 0~2mA | C | DC 24V | O | 1 Open Collect | R2 | 2 Relays | V | 0~10V | V | 0~10V | | |
| | | V4 | 0~10V | A4 | 0~20mA | D | DC 30~90V | | | O1 | 1 Open Collect | O | Option | O | Option | | |
| | | V5 | 0~36V | A5 | 0~200mA | | | | | O2 | 2 Open Collect | | | | | | |
| | | V6 | 0~300V | A6 | 4~20mA | | | | | | | | | | | | |
| | | V7 | 0~600V | A7 | 0~2A | | | | | | | | | | | | |
| | | VO | Option | A8 | 0~5A | | | | | | | | | | | | |
| | | | | A9 | 0~10A | | | | | | | | | | | | |
| | | | | AO | Option | | | | | | | | | | | | |

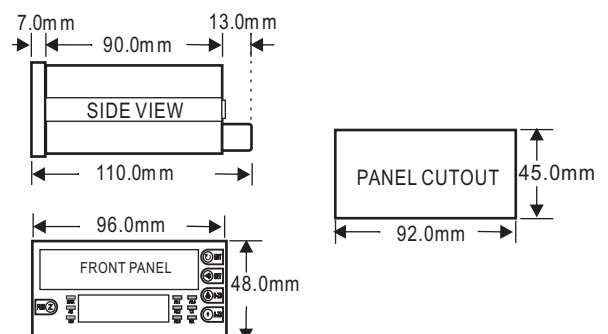
SPECIFICATION

- ◆ Accuracy: $\pm 0.1\%$ F.S. ± 1 digit (DC)
 $\pm 0.2\%$ F.S. ± 1 digit (AC)
- ◆ Display Screen: High brightness red LED; 14.22mm(0.56")
- ◆ Sampling Time: 60 cycles / sec
- ◆ Display Range: -199999~999999
- ◆ Zero Adjustment: -199999~999999
- ◆ Over Range Indication: doFL / ioFL or -doFL / -ioFL
- ◆ Polarity Indication: Automatic with "-" indication
- ◆ Parameters Setting: Push buttons
- ◆ Back Up Memory: EEPROM
- ◆ Alarm Action: " \geq (Hi) on" or " $<$ (Lo) on"
- ◆ Alarm Run Delay Time: 0~99 sec
- ◆ Relay Contact: AC 277V / 7A; DC 30V / 7A
- ◆ Analog Output Resolution: 15 bit
- ◆ Output Response Time: < 250 msec (0~90%)
- ◆ Output Capability: Voltage Output: < 20 mA
Current Output: < 10 V
- ◆ Communication: RS-485 Modbus RTU mode
- ◆ Baud Rate: 38400 / 19200 / 9600 / 4800 bps
- ◆ Temperature Coefficient: 100ppm / $^{\circ}$ C (0~60 $^{\circ}$ C)
- ◆ Operating Temperature: 0~60 $^{\circ}$ C
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70 $^{\circ}$ C
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC/DC 100~240V; DC 12 / 24 / 30~90V
- ◆ Power Consumption: < 8.5 VA (all functions output)
- ◆ Surge Test: 1.5KVac / 1min (Input / Power)
- ◆ Input Impedence: Voltage: > 2 V for 20K Ω / V; ≤ 2 V for > 200 M Ω
Current: ≥ 0.2 A at 100mV; < 0.2 A at 1V

FRONT PANEL & KEY FUNCTIONS



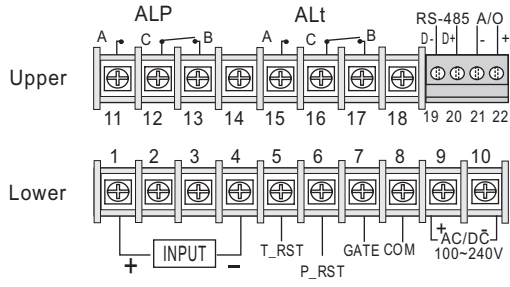
DIMENSION



■ WIRING CONNECTION

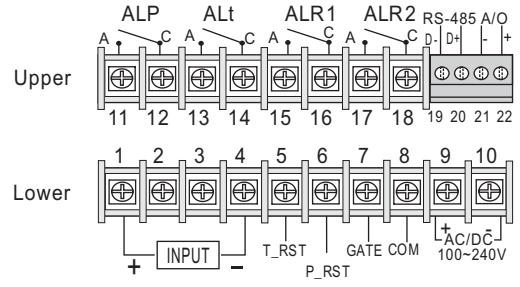
2 Batch / Total Alarms Output:

● Voltage, Current (AC, DC)



4 Alarms Output:

● Voltage, Current (AC, DC)



2 Rate Alarms Output:

● Voltage, Current (AC, DC)

