

## In case of alarm :

- 1) Extinguish all flames.
- 2) Turn off the tap of the gas-meter or of the LPG bottle.
- 3) Do not switch on or off lights.
  - do not start equipments electrically powered.
  - do not start devices electrically powered.
- 4) Open doors and windows to air the room.

If the alarm stops you should find the cause and remove it.

If the alarm does not stop and the cause of the gas loss cannot be found or removed, leave the house or the boilerhouse plant and warn the emergency service (firemen).

## Warning

Equipment powered at 230V: only skilled people can open the container.

It is forbidden to change the sensor sensitivity adjustment: mishandlings will not be considered under guarantee.

**Alltronic snc**

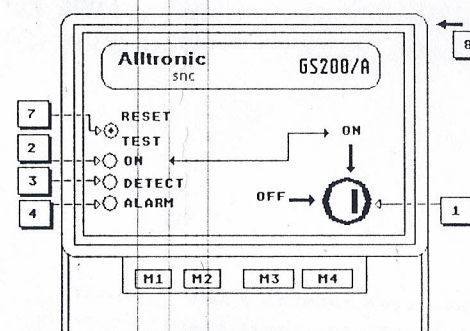


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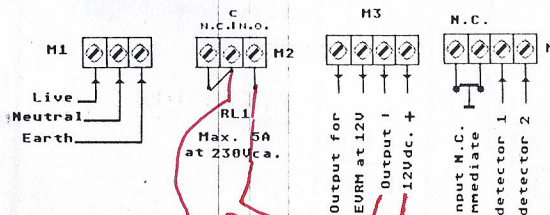
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## Gas control type GS 200A for gas sensors GS 12.



- 5 Internal
- 6 Control

TERMINAL BLOCK GS200A: Relay position in surveillance condition (control powered).



Planned for thermalpower plants and/or small rooms, it controls max. 2 sensors type GS 12 or GS12/S.

### Technical characteristics :

- Supply at 230V.
- Possibility of self-supply by inside and/or outside battery.
- Possibility of controlling warning signals coming from other safety devices.
- Adjustment of the prealarm time (delay) from about 2 to 60 seconds.
- Memorization of the alarm condition with reset.
- Output with double contacts to control the Normally Closed Valve (230Va.c.) and Normally Opened with Manual Reset Valve (12Vd.c.)
- Container IP 40
- Powered by switch under lock.

- 1) Switch-key (ON = LIGHTENED GREEN LED).
  - 2) Green led light: power on.
  - 3) Yellow led light: one of the sensors (GS 12) detects gas.
  - 4) Red led light: the control is in alarm condition.
  - 5) ALARM BUZZER advice.
  - 6) Trimmer for alarm delay adjustment: turn it in clockwise to increase the prealarm time, after which the central reacts (from 2 to 60 sec.).
  - 7) TEST/RESET switch.
 

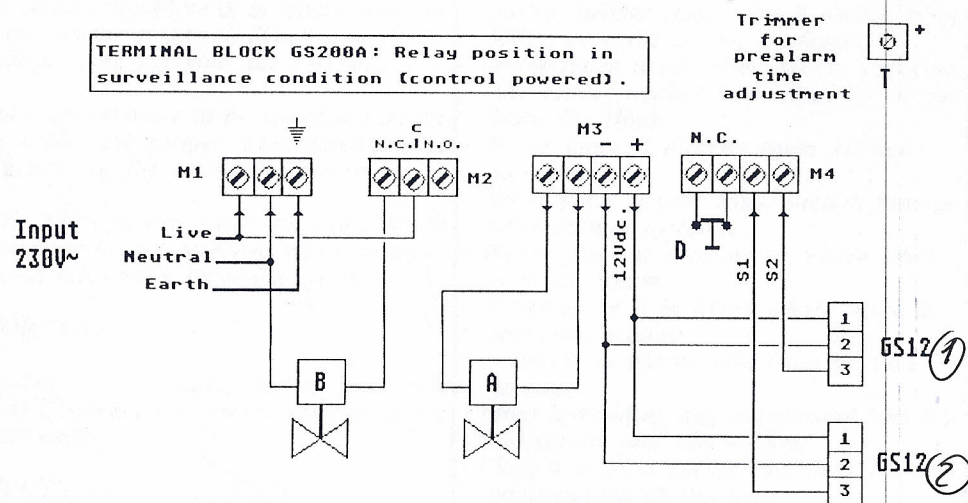
TEST: it causes the alarm condition and the running of the safety devices connected to the control (valves, warning signals, etc.).

RESET: it brings the control back to the surveillance condition after an alarm. To reset the control, push the button RESET after having removed the cause of the alarm (it resets ONLY if the sensors are no longer in alarm condition).
  - 8) To open the control, lever up in the corner by means of a screwdriver. Inside there are two small cables (red = +/ black = -) to connect a contingent battery.
- NOTE: to reach the terminal block, take away the cap pressing on the knurled side, vertically, as shown by the arrow.



## Gas detector GS 200A connection diagrams

GS 200A to control the Normally Closed Valve at 230Vac. (class "A") and Normally Opened Valve with Manual Reset at 12Vdc. with 2 detectors GS12.



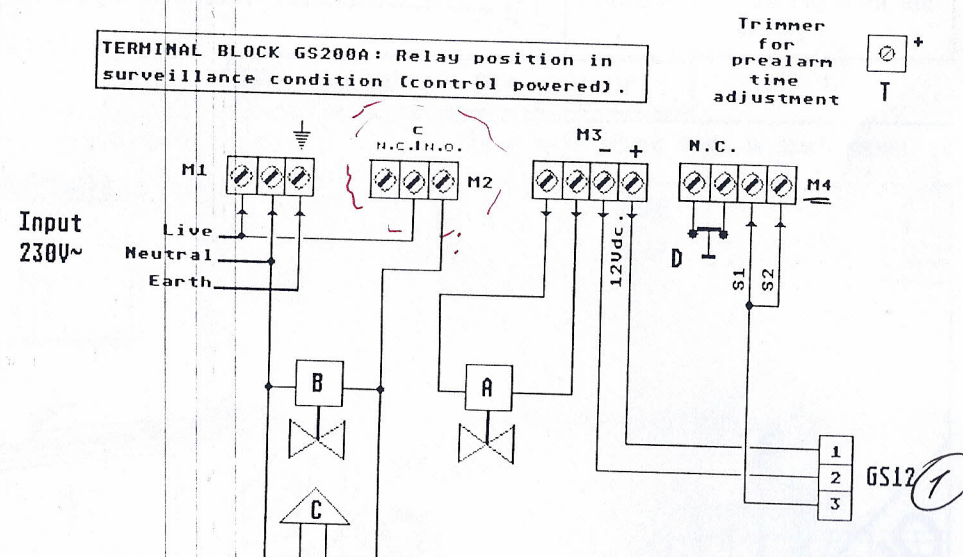
- A = Valve with Manual Reset at 12Vd.c. (EVRM-NO type)  
 B = Normally Closed Valve at 230Va.c. (E.V.NC type) or  
 Electric Valve Normally Closed with Manual Reset at 230Vac. (EVRM-NC type)  
 D = Normally Closed Contact (N.C.) with instantaneous action  
 (it can be used to connect other sensors - e.g. G90)

**WARNING:** the control type GS 200A can supply only two sensors type GS 12; if only one is used, the terminals 3 and 4 of M4 have to be jumper connected, otherwise the control WILL ALWAYS REMAIN IN ALARM CONDITION.

The ALLTRONIC snc reserves the right to change the technical details without notice.

## Gas detector GS 200A connection diagrams

GS 200A to control the Normally Closed Valve at 230Vac. and Normally Opened Valve at 12Vdc. with only 1 detector GS12.



- A = Output for Electric Valve Normally Opened with Manual Reset at 12Vdc.  
 B = Normally Closed Valve at 230Vac. (E.V.NC type)  
 C = Warning horn and/or light at 230Vac.  
 D = Normally Closed (N.C.) contact with instantaneous action  
 (it can be used to connect other sensors - e.g. G90)

**WARNING:** the control type GS 200A can supply only two sensors type GS 12; if only one is used, the terminals 3 and 4 of M4 have to be jumper connected, otherwise the central WILL ALWAYS REMAIN IN ALARM CONDITION.

The ALLTRONIC snc will not be responsible for wrong installations and/or mishandlings of its equipment.