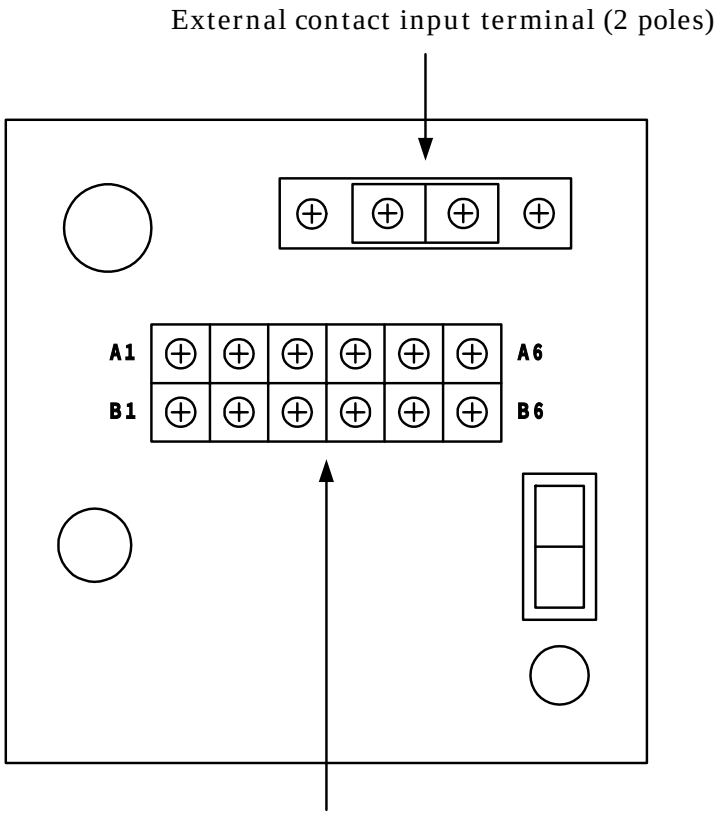
RELAY CONTACT OUTPUT FOR GZ II /GZH SERIES

VIBRA

1. Specification

1.1 Terminals



1.2 Relay contact output

1.2.1 Judgment output arrangement

Terminal	A 1	A 2	A 3	A 4	A 5	A 6
Function	HI COM	HI NC	HI NO	OK COM	OK NC	OK NO

Terminal	B 1	B 2	B 3	B 4	B 5	B 6
Function	LO COM	LO NC	LO NO	Error COM	Error NC	Error NO

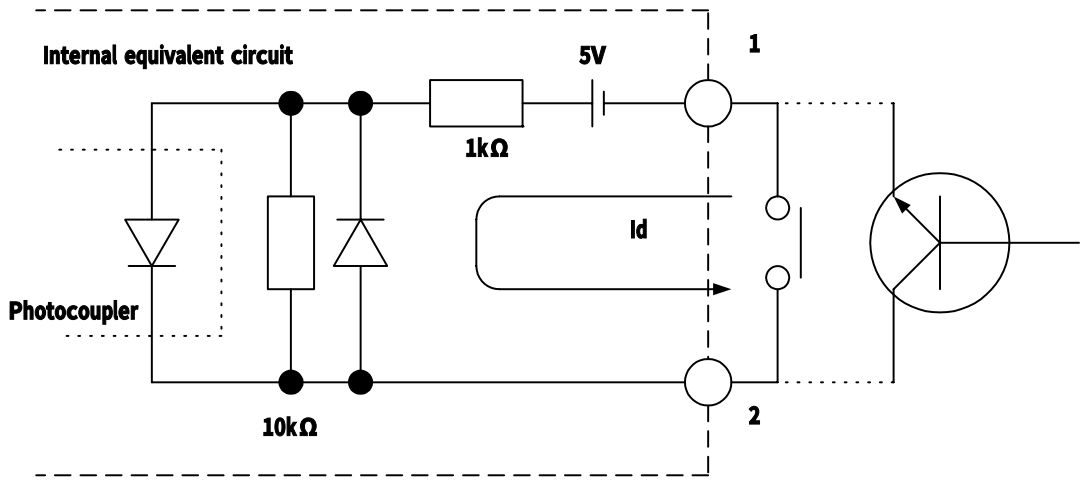
※ When the relay contact output turns on, NO-COM is closed and NC-COM is opened.

1.2.2 Judgment output

ＡＣ２５０Ｖ／０．３Ａ、ＡＣ１００Ｖ／０．５Ａ

ＤＣ　３０Ｖ／０．５Ａ

1.3 External relay contact Input



Close the relay contact by a switch or transistor, etc

Terminal №	Function
1	－
2	＋

Pass 2mA or more to Id.

2. Confirmation of setting of a balance and relay contact output

2.1 Setting of a relay contact output board (built in a power supply box)

Confirm SW1 and SW2 are set OFF before adjusting in detail after confirmation of the movement with a balance according to the following procedure.

2.2 Function setting of a balance

Before using a relay contact output, it is necessary to set up the functions as mentioned below. This operation is unnecessary as the settings are memorized once the settings are completed.

2.2.1 Function setting of a balance

Set up the upper limit and lower limit referring to “limit function” in the operation manual. Set up the other settings as mentioned below referring to “Function”.

Function selection 1. SEL. 2: Limit function selection

Selection of judgment terms 11. Co. 1 : Constant judgment

Selection of judgment range 12. L . 2: Judge all range

Selection of judgment types 13. Pn. 1: Setting of the upper and lower limit

Load on a pan with the above conditions. If the triangle mark of the left corner on display moves among HI, OK and LO, it means that the limit function works properly. In the case that the mark does not move or light up, re-set up the settings referring to “Limit function” in the operation manual

2.2.2 Setting of Interface function

Interface 5. IF. 1 : Use a peripheral

Output control 51. oc. 1 : Constant output

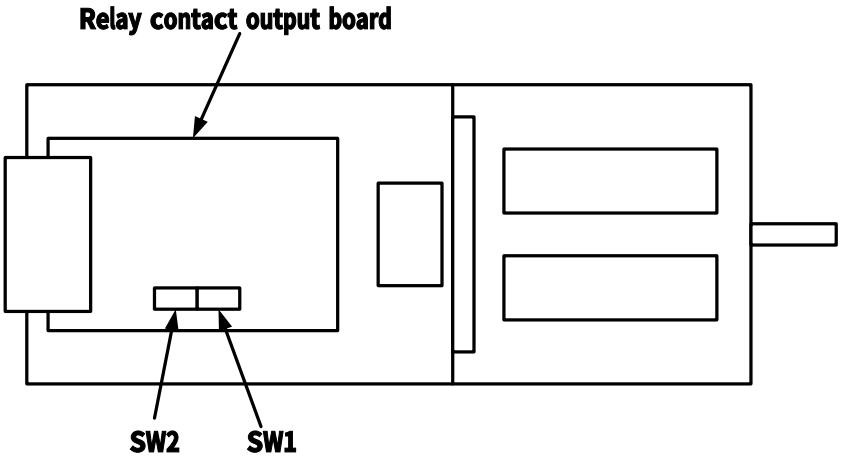
Baud rate 52. bL. 1 : 1200bps

External tare 6. Et. 1 : Operation by relay contact input

3. Setting items of relay contact output

3.1. Layout of Dip switches (SW1 & SW2) on the board of relay contact output

The board is arranged as the following drawing



3.2 Setting of Dip switches (SW1 & SW2)

3.2.1 Baud rate selection

Dip switch			Baud rate	Remarks
SW1-3	SW1-2	SW1-1		
OFF	OFF	OFF	1200bps	
OFF	OFF	ON	2400bps	
OFF	ON	OFF	4800bps	

★ When changing a baud rate, it is necessary to also unite the baud rate of a balance. Refer to an operation manual about setting of the baud rate of a balance.

★ Moreover, after Dip switch is changed, turn off a power supply and turn on a power supply again.

3.2.2 Parity bit selection

Dip switch		Parity	Remarks
SW1-5	SW1-4		
OFF	OFF	None	
OFF	ON	Odd	
ON	OFF	Even	

3.3.3 External contact input selection

Dip switch		Remarks
SW2-2	SW2-1	
OFF	OFF	Use as external tare input

★ External tare input means that external contact input terminal turns on, and this function is to tare of the balances where located in hazardous area.
Do not use the other settings.

4. Other cautions

4.1 About a change of SW1 and SW2

In the case the function is changed by operating SW1 and SW2, switch off and on again in order to make the changed function effective.

Setting of SW1 and SW2 is off when delivered

4.2 In the case of connecting the load except for a resistance load to a relay contact

When an inductive load (Relay, Electromagnetic switch, Solenoid, etc) or a capacity load are connected to the part of a relay contact output, be sure to insert a spark quenching circuit to a load with parallel.