

## GENERAL SPECIFICATION

1. Operating Temperature : -10°C-55°C
2. Humidity : 80% RH
3. Operating Principle : Moving coil type
4. "0 MΩ" setting VR : Inclusion
5. Moving Method : Pivot & the spring-mounted jewel
6. Dielectric Strength : Between electric circuit and case 2000V, 1min.
7. Insulation Resistance : Between electric circuit 10MΩ

## SPECIFICATIONS OF METER SCALE (The other kind of meter not indicated in below is customer's option)

SCALE	APPLICABLE MODEL	WIDE ANGLE TYPE	DIN TYPE
		METER SIZE ■ 80 X 80 ■ 110 X 110	METER SIZE ■ 72 X 72 ■ 96 X 96
	SBAG-102 <sup>®</sup> / 202 <sup>®</sup> / 402 <sup>®</sup> ∞-10-5-2-1-0.5-0.3-0 MΩ (MAKER : LUXCO)		
	SBAG-102 / 202 / 402 SBAG-102A / 202A / 402A ISA690A1 / ISA690A2 / ISA690M1 / ISA690M2 ∞-5-0.2-0.05-0 MΩ (MAKER : LUXCO)		
	SBAG-102(R2) / 202(R2) / 402(R2) SBAG-102A(R2) / 202A(R2) / 402A(R2) ISA690A1(R2) / ISA690A2(R2) ∞-50-20-0.5-0.1-0 MΩ (MAKER : LUXCO)		
	SBAG -102M / 202M / 402M ISA690MH1 / ISA690MH2 ISAH6600 -1/2, ISAH6600M -1/2 [∞-10-5-1-0.5-0]X100MΩ (MAKER : LUXCO)		
	ISD24L ISD48L ∞-1-0.02-0.005-0 MΩ (MAKER : LUXCO)		
	ISD125L ISD250L ∞-10-5-0.2-0.05-0 MΩ (MAKER : LUXCO)		

## FUNCTION

### INSULATION MEASUREMENT. MONITORING RANGE

Two models available : Low insulation range for 0-5MΩ and High megger range for 0-500MΩ

### INSULATION MEASUREMENT. MONITORING METHOD

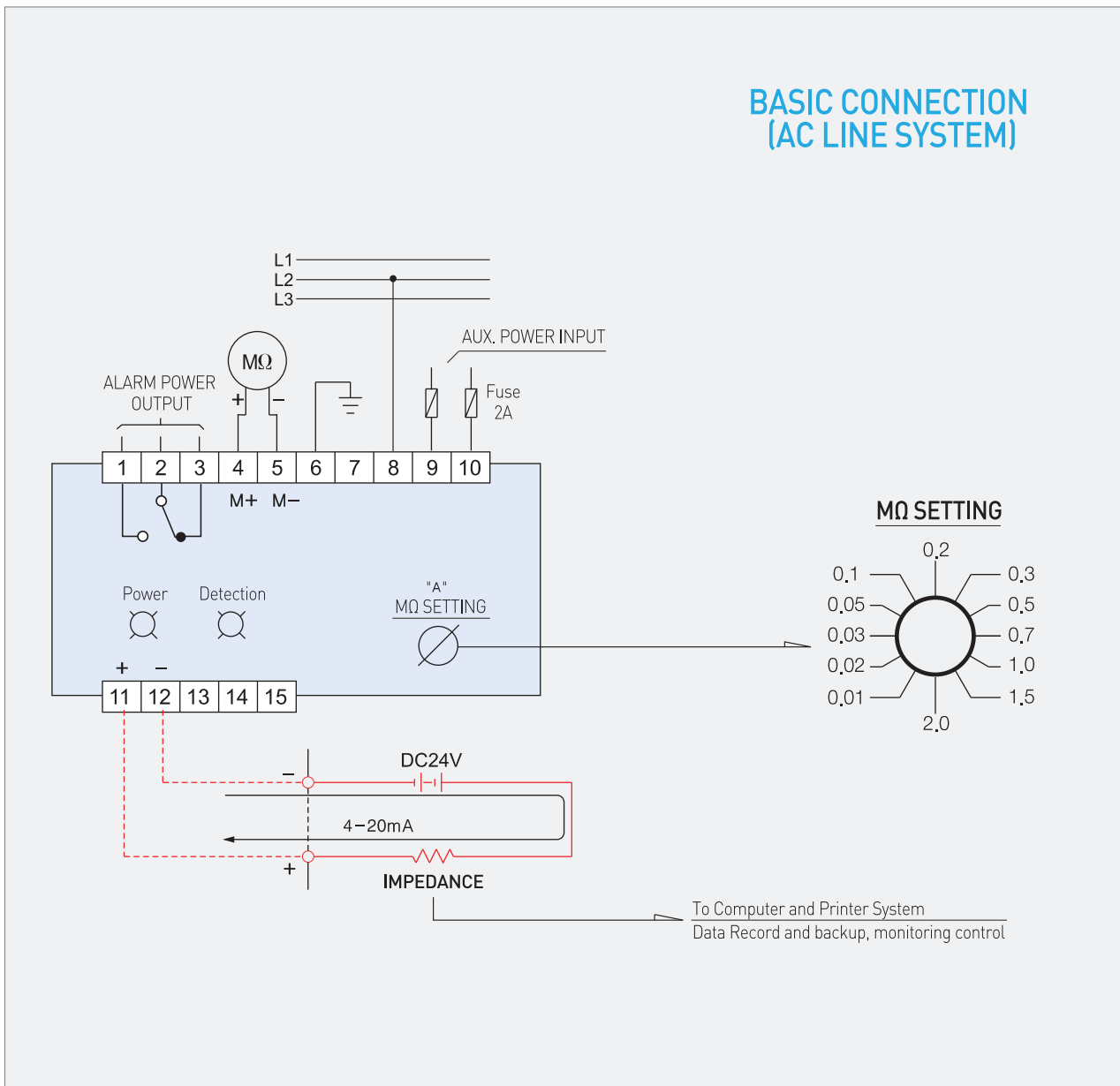
For the measurement, ground monitor is directly connected to the required equipment and is able to read and watch with separate auxiliary electrical source regardless of the equipment line being "on" or "off" power. For watching purpose, connection method can select either single or 3 phase line and when the auxiliary power source is cut off the internal detection line is also cut off.

### ALARM SETTING

The alarm setting knob on the front display can be set in accordance with its environment and system kind freely at operator's option within the regulations and the scope of allowable range. the protection device against the surge or impulse is also included.

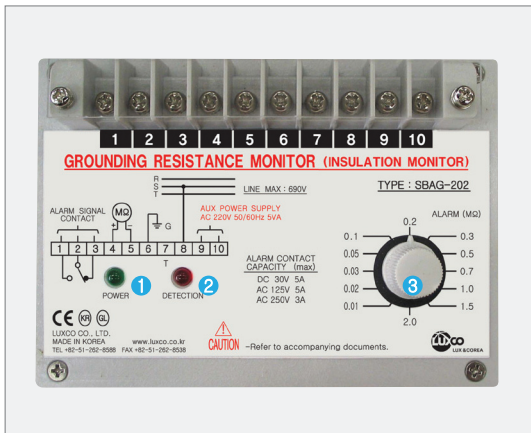
### REMOTE GROUP MONITORING

In case of remote control system uses, 4~20mA output control power by Micom converter is added in this set to enable remote detection group monitoring on the insulation and alarm conditions of widely spread out motors or various equipment at industrial site and when necessary this model can also be made to record and store the insulation date in connection with computer and printer.



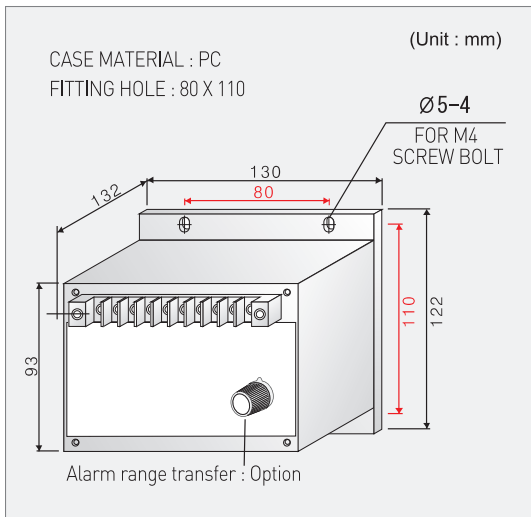


## FRONT VIEW

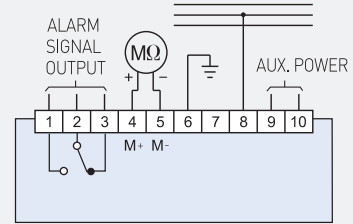


- ① Power indicating lamp (Green)
- ② Alarm indicating lamp (Red)
- ③ Alarm setting (MΩ)

## DIMENSION



## T.B LAYOUT



## SPECIFICATIONS (LOW INSULATION SPEC')

MODEL	SBAG-102	SBAG-202	SBAG-402
AUX. POWER RATING	AC 110V 50/60Hz	AC 220V 50/60Hz	AC 440V 50/60Hz
RANGE OF POWER VARIATION	AC 85-135V	AC 170-270V	AC 395-485V
MAX. POWER CONSUMPTION	5VA		
INSULATION MONITORING RANGE	∞ ~ 5 ~ 0.2 ~ 0.05 ~ 0MΩ (R2 : ∞ ~ 50 ~ 0MΩ) (R5 : ∞ ~ 10 ~ 5 ~ 1 ~ 0.5 ~ 0MΩ)		
INSULATION VOLTAGE RANGE	AC 1P / 3 Phase 0 ~ 690V (max.)		
DETECTOR ACCURACY	±5% (0.1 ~ 2MΩ) ±10% (under 0.05MΩ, 2MΩ above)		
ALARM SETTING RANGE	0.01 ~ 2.0MΩ (select by 12 steps selector switch) (R2 : 0.01 ~ 5.0MΩ) (R5 : 0.2 ~ 5.0MΩ)		
ALARM DELAY TIME	3.0sec. (±0.5sec.) Reset time : 0.5sec. or less		
ALARM SIGNAL OUTPUT	5A (resistive), 2A (inductive) 30V DC 5A (resistive), 2A (inductive p.f=0.4) 125V AC 3A (resistive), 1A (inductive p.f=0.4) 250V AC		
AMBIENT TEMP.	-20°C ~ +60°C		
STORAGE TEMP.	-40°C ~ +65°C		
DIELECTRIC STRENGTH	Between terminal to cabinet 2.5KV / 1min Between 9, 10 to 6, 8 terminal 1.5KV / 1min		
METER	Refer to page 45		

## CONNECTION DIAGRAM

