REV. DATE	DESCRIPTION	MESSRS	
		- INSULATION	OUND MONITOR N RESISTANCE MONITOR – -102® / 202® / 402®
		C€	4 sheets with cover
		Diese LUXCO CO., LTD. 980-17, Jangrim-dong, Saha-gu, Busan, 604-040, Korea TEL: +82-51-262-8588 FAX: +82-51-262-8538 http://www.luxco.co.kr	
		CLASS	KR, GL
		APPROVED BY	C. G. YI
		CHECKED BY	J. W. CHOI
		DESIGNED BY	J. A. HEO
		DATE	2014. 04. 30
		DRAW No.	T183-17012

GROUND MONITOR (SBAG-102N / 202N / 402N)

■ GENERAL INFORMATION

The insulation resistance monitor is intended to monitor the insulation resistance to ground of AC lines. And th issue an alarm signal if the insulation resistance goes below a predetermined value. The insulation resistance monitor is an electronic insulation detecting device with electromechanical relay contact output. The AC monitor permits a connection of an external meter is not to affect the detecting operation of the monitor. Please select—up the Models as follows:

■ SPECIFICATIONS

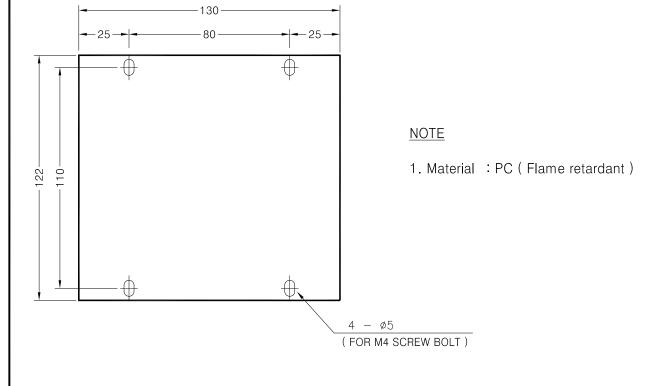
MODEL	SBAG-102N	SBAG-202N	SBAG-402N	
Aux. Power Rating	AC 110V 50/60Hz	AC 220V 50/60Hz	AC 440V 50/60Hz	
Aux. Power Variations	AC 85 ~ 135V	AC 170 ~ 270V	AC 395 ~ 485V	
Maximum Power Consumption	5 VA			
Insulation Detect Range	$\infty \sim 5 \sim 0.5 \sim 0.01 \sim 0 \ \text{M}\Omega$			
Detect Line Voltage	AC 1P / 3Phase 0 ~ 690V (max.)			
Detect/Alarm Accuracy	± 5% (0.21 ~ 2 MΩ)			
Botoot, marm recouracy	± 10% (Under 0.05MΩ, Above 2MΩ)			
Alarm Set Range	0.01 ~ 5.0 MΩ (Select by 12 steps selector switch) (0.01 - 0.05 - 0.1 - 0.2 - 0.3 - 0.5 - 1.0 - 1.5 - 2.0 - 3.0 - 4.0 - 5.0)			
Operation Time Delay	Time Delay 3.0 Sec (±0.5 Sec) Reset time : 0.5 Sec or less			
Contact Output Rating	 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 			
Operating Temperature Range	- 20°C ~ + 60°C			
Storage Temprature Range	- 40°C ~ + 65°C			
Dielectric Strength	Dielectric Strength • 2.5 KV / 1 min between T.B and enclosure • 1.5 KV / 1 min between T.B(#9,10) and T.B(#6,8)			
METER	 WIDE ANGLE : 80 x 80, 100 x 110 RECTANGULAR : 60 x 80, 80 x 100, 100 x 120 DIN : 72 x 72, 96 x 96 			

GROUND MONITOR (SBAG-102N / 202N / 402N)

■ OUTLINE DIMENSION AND PANEL CUTTING (Unit in m/m)

- The size of all models are the same

MOUNTING



GROUND MONITOR (SBAG-102N / 202N / 402N)

■ INSTRUCTION MANUAL (FOR SBAG-102® /202® /402®)

GENERAL

This insulation resistance monitor consists of a meter and a power box monitor the insulation level of a non-frounded AC electrical system.

MONITOR

The monitor convers 110V or 220V or 440V AC power into regulated DC power. The DC output voltage is constant over an AC input voltage of 80% to 120% of the rating (110V/220V/440V).

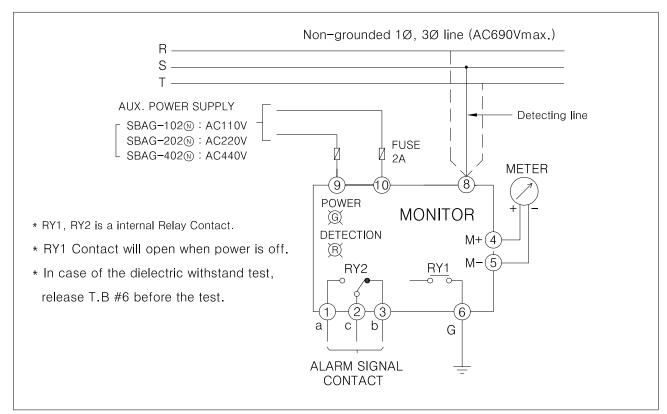
It's DC output circuit is electrically isolated from the AC input circuit by means of a transformer.

FEATURES

This insulation resistance monitor features:

- a. continuous monitoring of insulation level.
- b. provision for low insulation level alarm, output contact can be used as either alarm "make" or alarm "break" signal.
- c. error free stable operation, use of voltage regulator circuits in both meter and relay sections.

CONNECTION



- * The terminal (#8) of the monitor may be connected to any of the lines 'R', 'S' or 'T'.
- * The power transformer (P.T) os not necessary when the monitored system operates on A.C 110/220V.