

OPERATING MANUAL

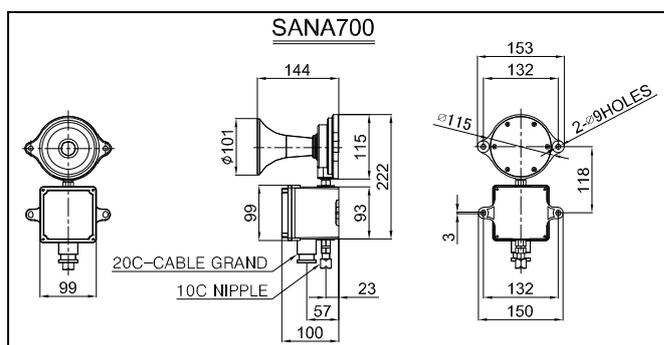
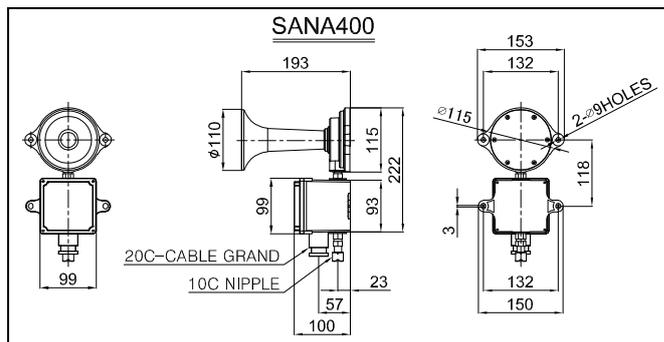
SANA200/400/700

OPERATING MANUAL AIR HORN WITH SOLENOID VALVE BOX

Please read this manual carefully before installing this product for safe and long use.

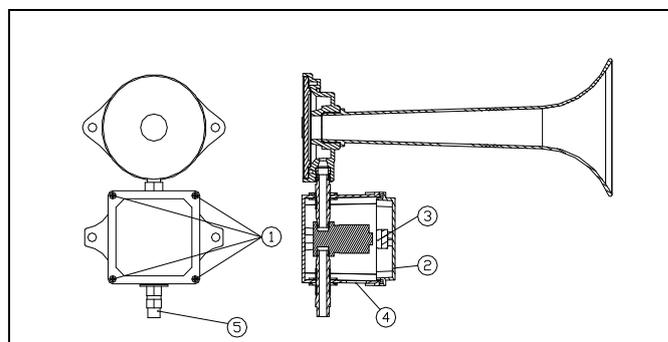
1 Product Feature

- A horn speaker generating high volume through tympanum which use compressed air as power.
- Adopting long durable special tympanum and valves which use small compressed air
- The Suitability for urgent call, emergency alarm and etc for Engine room or pumping station.
- In case of using in a small space, it is possible to adjust sound pressure by installing reducing-valve separately.
- Standard body color: MUNSELL NO. 7.5BG 7/2 (BLUE GREEN) RED, BLACK
- Material of HORN: PC
- SOLENOID VALVE: ABS
- Protection Class: IP56
- Certificate : KIMM



2 Specification & External View Drawing

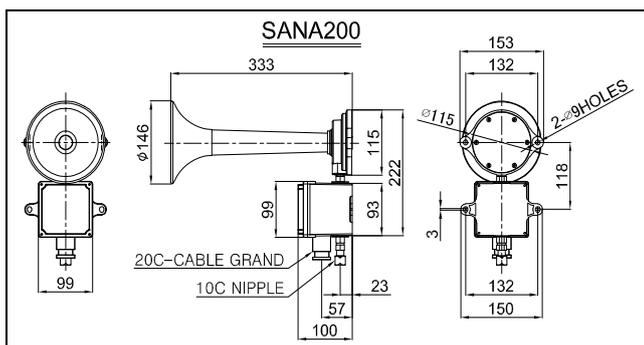
Model	Frequency	Sound level	Air pressure	Voltage	Current	Color
SANA200	200~300 Hz	130 ±3dB	5~7 kg/cm ²	DC24V	0.488A	R BK 7.5BG
SANA400	400~600 Hz			AC110V	0.111A	
SANA700	700~800 Hz			AC220V	0.055A	



3 Wiring Instruction

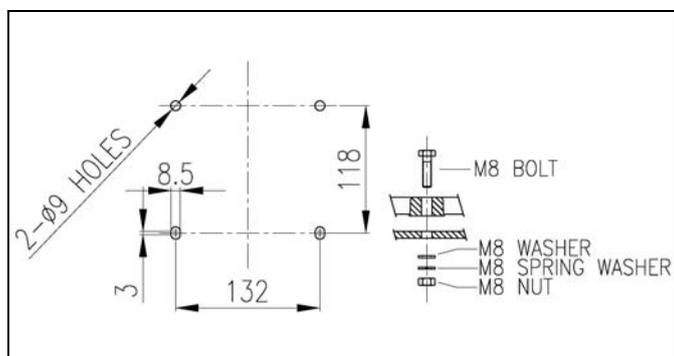
Please read product structure and below mentioned instruction carefully in order to make suitable operation.

- Terminal is already positioned on valve box cover inside air horn. Unscrew bolts ① in product cover and separate cover ②.
- In case of the product using DC power source, negative(-) polarity should be connected with black line at terminal.
- It can cause the damage owing to infiltration of moisture or dust if products are kept exposure outdoor without any sealing of cable entry. (Standard 20C Cable Grand)
- The Entry of air supply ⑤ is assembled by using air exclusive house. Please prevent the leakage of air with sealing material such as Teflon tape or silicon when assembled. Or, it cause malfunction or inoperable status.
- It may be damaged if moisture and dust penetrate into the enclosure when it is placed on outdoor without sealing of the air inlet.

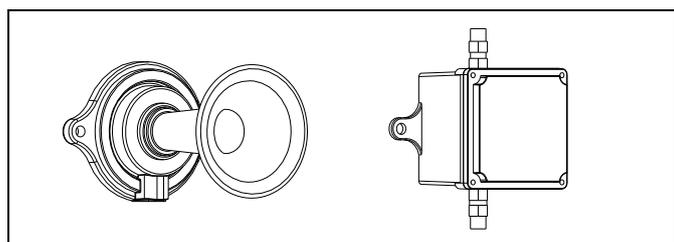


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4 Mounting



- This product is designed for wall mounting type with waterproof structure.
- Fix the product after drilling a fixing hole at suitable wall place where product will be attached. (See the external view drawing for fixing hole size.)
- Tighten the product by using separate fixing bolt(M8 BOLT-4EA). Vale box and Horn can be installed separately.



5 Caution

- This product is designed for water- & dust-proof type. **Please make sure to sustain airtightness as tightening the joint bolts of each part necessarily when products are assembled or disassembled.**
- It cause reducing product lifespan or malfunction if rated voltage is excessively increasing or decreasing. Rated voltage should be within $\pm 5\%$ of rated voltage.
- If lens or body of the product is contaminated by chemicals such as thinner, benzene, the product can be damaged, discolored or deformed. Please be careful.

6 Troubleshooting

Symptoms	Reason	Solution
It does not work	Air leakage	Sealing of leaked position
	Low air pressure	Supply of suitable air
	No power source	Checking power line

Product inquiry and Customer support

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