

NIS-02C

NIS-02C is the newest version of our ionization smoke chamber containing a radioisotope ^{241}Am as well. However the radioactivity is less than 10 KBq that is the border line stipulated in BSS (Basic Safety Standard) issued by IAEA (International Atomic Energy Association), therefore this sensor does not need to be treated as a radioactive product. Thus no restriction is applied on its storage, usage, and disposal. This NAP-02C is designed to have complete compatibility with NIS-09C in its dimensions, appearance, and smoke sensitivity for users' easy replacement of the smoke chamber currently used.

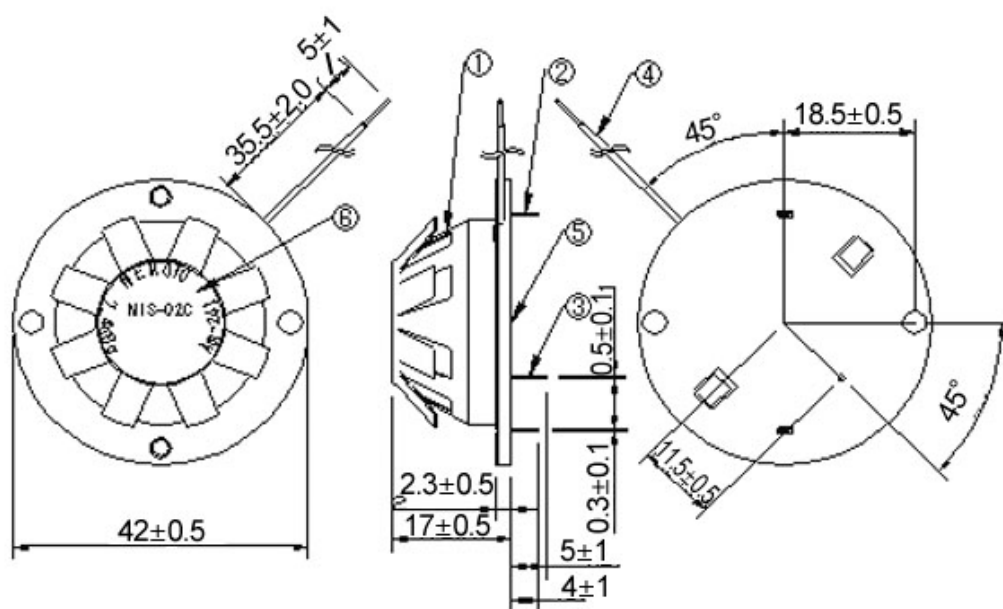
*NIS-09C has been already discontinued.

- Rating

Items	Values
Supply voltage	Less than DC6 - 12V
Output current	$7 \pm 2\mu\text{A}$
Nuclide	Americium241, 7.4KBq
Ambient Temp.	0 - 50°C
Ambient humidity	Less than 95% RH

- Characteristics

Items	Values
Output in clean air	$5.6 \pm 0.5\text{V}$ When 9V is supplied.
Sensitivity, cotton thread, 2%/foot	$0.7 \pm 0.2\text{V}$



Structure of NIS-02C