



Gas Detector Alarm

B-770

Gas detection alarm (CH4 / LPG) suitable for storage/consumption facilities

Low Price
&
Low Maintenance cost

Simple Operation
&
High Performance

Easy installation

3 detector heads
can be connected



**No special electrical work is required
with power supply plug and cord of 3m.**

According to the Gas Safety regulation of Japan, the installation of gas detectors is required to set up one or more detectors every 10m square inside facilities where the leaking gas stays easily and every 20m square outside facilities in the above surrounding.

B-770 Specifications

Detected Gas	LP Gas	Natural Gas
Connectable Detectors	KD-5G, KD-5T, GD-1B	KD-5GM, KD-5M
Alarm Type	Flashing red lamp (illuminated after alarm shut-off), alarm sound, non-latching (can be set to latching using DIP switch)	
Alarm Volume	70 dB/m min.	
Alarm Shut-off	By pressing button	
Malfunction Display	Flashing yellow lamp	
Alarm Display	Illuminated green lamp	
Power Source	100V to 220V AC, 50/60HZ (terminal block type)	
Power Consumption	Approx. 5W when monitoring (max.) Approx. 10W during alarm (max.)	
External Output	<ol style="list-style-type: none"> 2-stage voltage (6V DC when monitoring, 12V DC during alarm, 0V during error) 100V AC to 220V AC during alarm, 1A max. output (35 sec. output delay, can be changed to immediate output with DIP switch) 1a, 1b contacts 220V AC, 1A max, or 24V DC, 1A max (35 sec. output delay, can be changed to immediate output with DIP switch) 	
Operating Temperature	-10 to 40	
Dimensions / Weight	W138 x H230 x D45mm / Approx. 480g	
Accessories	Inspection gas, mounting plate, wood screws, crimp terminals, hex wrench	

Detector head

Storage facilities

Tank room, around vaporizer, etc.

Consumption facilities

Incinerator, drying furnace, kitchens, etc.

Explosion-proof



Explosion-proof structure d2G4

Weather-proof



Indoor type



KD-5G · 5GM

KD-5T · 5M

GD-1B

Optional extras



OU-18
Drip-proof cover for GD-1B



EB-8
External buzzer



Rotating beacon light

Gas detector head specifications

Model	KD-5G	KD-5GM	KD-5T	KD-5M	GD-1B
Detection Principle	Catalytic combustion		Hot-wire semiconductor		Catalytic combustion
Detected Gas	LPG	Town gas (natural gas)	LPG	Town gas (natural gas)	LPG
Gas Connection for Alarm	1/100 to 1/4 of LEL (1%LEL to 25%LEL)				
Response Time	Within 30 sec.	Within 1 min.	Within 30 sec.	Within 1 min.	Within 30 sec.
Power Source	24V DC ± 20% (supplied from B-770)				
Power Consumption	30mA max. @24V DC				
Structure	Explosion-proof (d2G4)		Weather-proof		Drip-proof
Output Signal	2-stage voltage (6V DC when monitoring, 12V DC during alarm, 0V during error)				
Maximum Loop Length	500m (CVV 1.25mm ² 3-conductor cable)				200m (0.5 mm ² 3-conductor cable)
Operation Temperature	-10 to 60		-10 to 50		-10 to 45
Dimensions / Weight	W94 x H141 x D123mm (excluding protrusions) / Approx. 1.5kg				W43 x H116 x D37mm (excluding protrusions) / Approx. 220g
Mounting Method	Screws				Mounting plate & bands
Accessories	Stand, rain cap, rain cover, screws, curled plugs, crimp terminals				Mounting plate, wood screws, bands, connectors, curled plugs, crimp terminals



NEW COSMOS ELECTRIC CO., LTD.

Head Office:

2-5-4 Mitsuyanaka, Yodogawa-ku, Osaka 532-0036 JAPAN
Phone: +81-6-6309-1505 Fax: +81-6-6308-0371

Tokyo Office:

2-6-2 Hamamatsucho, Minato-ku, Tokyo 105-0013 JAPAN
Phone: +81-3-5403-2715 Fax: +81-6-6308-0371

URL: <http://www.new-cosmos.co.jp/en/index.html>

The information contained is subject to change.