




B-770

Type of Gas Detected	Detection Principle	
 Combustible gas	 Hot wire semiconductor sensor	 Catalytic combustion sensor






Features

- Affordable, feature-rich gas detector alarm for industrial use
- Reliable, pre-calibrated smart sensor for immediate installation
- Superior performance, eliminating false alarm
- Selectable gas detector head to match your installation site
- Variety of signals outputs to meet customers needs
- Compact body and simple to operate
- Easy installation and low maintenance
- Built-in self-dagnostic function
- A wide range of options

Specifications

Detected gas	LP gas	Natural gas
No. of connectable detectors	KD-5G, KD-5T, GD-1B, GD-3L	KD-5M
Alarm type	Flashing red lamp (illuminated after alarm shut-off), alarm sound, auto-restore type (can be set to self-retention function using DIP switch)	
Alarm volume	70 dB/m min.	
Alarm shut-off	By pressing a button	
Malfunction display	Flashing yellow lamp	
Display of alarm unit operation	Illuminated green lamp	
Power source	AC100V to AC220V, 50/60Hz (Terminal block type)	
Power consumption	Approx. 5W when monitoring (maximum) Approx. 10W during alarm (maximum)	
External output	1) 2-stage voltage (DC6V when monitoring, DC12V during alarm, 0V during error) 2) AC100V to AC220V during alarm, 1A max. output (35-second output delay, can be changed to immediate output with DIP switch) 3) 1a, 1b contacts AC220V, 1A max, or DC24V, 1A max (35-second output delay, can be changed to immediate output with DIP switch)	
Operating Temperature Range	-10°C to 40°C	
Dimensions / Weight	W138xH230xD45 mm / Approx. 480 g	
Accessories	Inspection gas, Mounting plate, Wood screws, Crimp terminals, Hex wrench	

Detector head

For storage facilities	For consumption facilities	
Explosion-proof type	Weatherproof type	Indoor type
		
KD-5G	KD-5T/KD-5M	GD-1B

Options

		
Drip-proof cover for GD-1B (OU-18)	External buzzer EB-8	Rotating beacon light

Specifications

Model	KD-5G	KD-5T	KD-5M	GD-1B	GD-3L
Detection Principle	Catalytic combustion type (energy-saving type)			Catalytic combustion type (energy-saving type)	Hot-wire semiconductor type
Gas Detected	LPG			Town gas (Natural gas)	LPG
Gas concentration for alarm	1/100 to 1/4 of LEL (1%LEL to 25%LEL)				
Response time	1 minute max.			30 seconds max.	
Power source	24V DC ±20% (Supplied from the B-770)				
Power consumption	30mA max. @ 24VDC				
Structure	Explosion-proof structure (d2G4)	Weatherproof		Drip-proof	
Output signal	2-stage voltage (DC6V when monitoring, DC12V during alarm, 0V during error)				
Maximum Loop Length	500m max. (CVV 1.25mm ² , 3-conductor cable)			200m max. (using 0.5mm ² , 3-conductor cable)	
Operating Temperature Range	-10°C to 60°C			-10°C to 45°C	
Dimensions	W94xH141xD123mm (excluding protrusions)			W43xH116xD37mm (excluding protrusions)	W43xH79xD24mm (excluding protrusions)
Weight	Approx. 1.5kg			Approx. 220g	Approx. 45g
Mounting method	Screws			Mounting plate and bands	
Accessories	Stand, Rain Cap, Rain cover, Screws, Curled plugs, Crimp terminals			Mounting plate, Wood screws, Bands, Connectors, Curled plugs, Crimp terminals	Mounting plate, Wood screws, Bands, Mounting adapters, Curled plugs, Crimp terminals, Connection cables