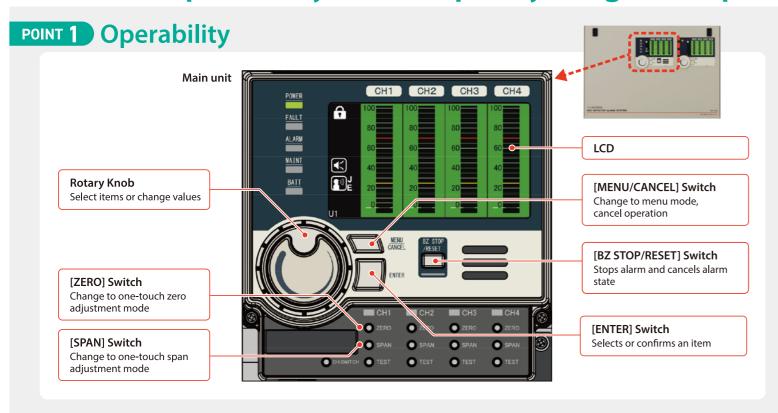


Multi-point LPG Alarm System NV-520

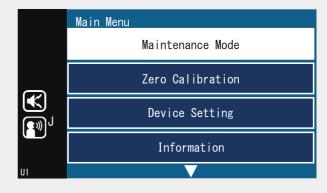
Simpler and Easier to Use for Greater Peace of Mind



Enhanced operability and simplicity for greater peace of mind



Easy to see and understand menu screen



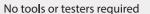
Rotary knob makes menu selections and numerical changes easy



One touch zero adjustment span adjustment



Manual ZERO adjustment and Manual SPAN adjustment are easy using just the main unit







Check! Newly equipped with alarm failure history display



Prevents malfunctions caused by incorrect insertion when replacing batteries





Passed magnitude 7 earthquake resistance test

No issues with output or display during test; no damage, loose screws, issue with normal operation, issues with alarm operation, or output contact issues after test.

Can monitor for up to 2 days* during a power outage

Short intermittent operation cycle of 15 minutes for increased safety *Varies depending on type of connected detector head, connection status, and number of connected detector heads



POINT 3 Simplicity

Easy to understand gas concentration bar graph

Easily visible even from a distance with color coded display

Makes identifing alarm and fault status easy

Device status displayed with icons







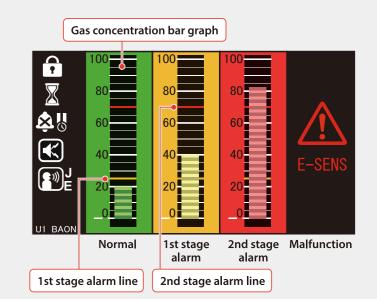


Initial delay Maintenance





Message ON



Easy to understand voiced alarms availale in 4 languages (select 2)

When selecting 2 languages, voice alerts will be played in the order the languages are selected

Equipment Status	Japanese	English	Chinese	Korean
Alarm	ガス漏れです	Danger! Gas Alarm	气体泄漏警报	가스 경보입니다
Main Unit Fai l ure	本体が 故障です	Main Unit Failure	主机故障	본체가 고장입니다
Maintenace	点検中です	Test in Progress	维护中	점검 중입니다



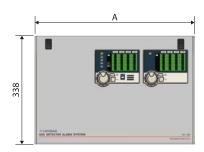
Beep..Beep..Beep! Danger! **Gas Alarm**

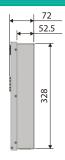
Specifications

Connected Detector Head *1	Detection principle: Catalytic combustion type, Target Gas: LPG			
Power Supply Voltage *2	*2 AC specifications: AC 100V~240V ±10%, 50/60Hz DC specifications: DC 24V ±10 %			
Power Consumption *3 *4	AC specifications: 2-point type -12~15.6VA, 4-point type 22.4~29.2VA, 8- point type 44.8~58.3VA, 12-point type 67.3~87.5VA (+4.0~6.0VA with backup power supply) DC specifications: 2-point type : 9.6~12.5W, 4-point type 17.9~23.3W, 8-point type 35.8~46.6W, 12-point type 53.8~70.1W			
External Outputs	Bundled • Signal output: voltage output DC0-6-12V • 1st stage alarm contact output: 1a no-voltage AC250V 2A , DC30V 2A (resistive load) • 2nd stage alarm contact output: 1a no-voltage AC250V 2A , DC30V 2A (resistive load) • Buzzer contact: 1a non-voltage AC250V 2A , DC30V 2A (resistive load) Individual • Signal output: voltage output DC0-6-12V • 1st stage alarm contact output: 1a no-voltage AC250V 2A , DC30V 2A (resistive load) • 2nd stage alarm contact output: 1a no-voltage AC250V 2A , DC30V 2A (resistive load) • Power source output for pump: DC24V max. 0.3A **			
Alarm Display and Sound	1st alarm: [ALARM] LED flashes red + LCD display (orange) + buzzer sound (slow intermittent sound) + voiced warning "gas leak" 2nd alarm: [ALARM] LED flashes red quickly + LCD display (red) + buzzer sound (fast intermittent sound) + voiced warning "gas leak"			
Fault Indication Display and Sound	[FAULT] Yellow LED flashes + error message display + buzzer sound (fast intermittent sound) + voiced warning *6			
Alarm Set Value *2	AL1: 25%F.S. AL2:50%F.S. or AL1, AL2:25%F.S.			
Alarm Delay	Dependent on connnected detector head specifications			
External Dimensions (excluding protrusions)	2-point type with backup power supply: W221mm X D71.5mm X H338mm 2-point type with backup power supply : W299mm X D71.5mm X H338mm 4-point type: W299mm X D71.5mm X H338mm 6-point type, 8-point type : W496mm X D71.5mm X H338mm 10-point type,12-point type: W644mm X D71.5mm X H338mm			
Optional Backup Power Supply	Continuous operation for approx. 120 min. after power outage, followed by intermittent monitoring (approx. 70 seconds of monitoring every 15 minutes). Intermittent monitoring period: upto 2 days.			

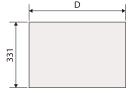
^{*10.} Only compatible with New Cosmos detector heads. *2. Please specify when ordering. *3. Power consumption when the maximum number of detector heads are connected. Varies depending on the detector head specifications and device status (normal, alarm). *4. Only AC specifications are available with backup power supply. *5. Do not use for purposes other than those specified. Output voltage varies depending on specifications and operating conditions. (DC specification: Depends on power voltage, AC specification backup operation: Depends on battery voltage) *6. The content of the audio will vary depending on the malfunction. *7. Alarm accuracy is not guaranteed during intermittent monitoring. Therefore, alarms may occur at different gas concentrations compared to continuous monitoring. *8. Continuous monitoring. time may be shortened depending on the connected detector head, connection status, and number of connections. In these cases, intermittent backup operation may not function.

External Dimensions (mm)





Recessed panel dimensions



Dimensions Table

Number of Detection	Α	D
2 point without backup power supply	221	215±1
2 points with backup power supply /4 points	299	293±1
6 points/8 points	496	490±1
10 points/12 points	644	638±1

^{*4}points, *6/8points, *10/12 points the size does not change with or without backup power supply

Detector Head

Previous model (NV-500) users can continue using their existing detector heads

Diffusion Type



KD-5B Other compatible units: KD-2A,KD-3A,KD-5

Options KW-22 KW-15 Rain Cap Rain Cover

Suction Type



PD-14 Other compatible units: PE-2DC

Instruction Manual



◆ For operation For more details, please refer to this link.



650 Warrenville Road, Suite 101, Lisle, IL 60532, USA

◆ For installation For more details, please refer to this link.



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SAFETY WARNING

Carefully read the instruction manual prior to use.

Select and use the device designed to detect the required type of gas. Use of a wrong sensor type may cause an accident.