

### Cost-Effective Solutions

"BTN" Series offers cost-effective solutions for light industries.

### Affordable Solution for Freon

This series is a price-performance product for freon gas.

### Light-Weight Housing

BTN with ABS plastic and IP54 protected housing is designed for indoor applications.

### Relay Contacts

On board provided relay contacts allow to manage other equipment such as siren, flasher. Also, it can be linked to firefighting panels.

### Sensitive Sensors

High quality Catalytic, Electrochemical and Semi-Conductor sensors employed BTN Series detectors show excellent results in LEL, ppm and VOL ranges.

### Optional Universal Communication Protocols

Thanks to Optional Modbus RS485 RTU Module, BTN can be managed as addressable detector.

### Fall-Safe Technology Alarming

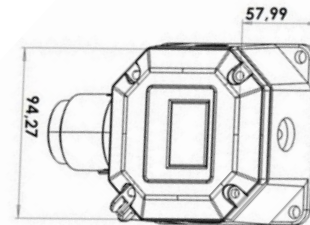
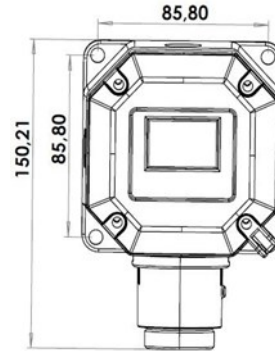
Alarm 1 and Alarm 2 relays are easy to set to default LEL, ppm, VOL levels. The fault relay output properly indicates fault status.

### Applications

- Kitchens
- Safe-area applications
- Laboratories
- Food and Medicine Facilities

### Optional Modules

- **BTN-RS:** Modbus RS485 RTU interface module



Specifications	BTN-XY44	BTN-XY42	BTN-XY41
Sensing Element	Electrochemical	Catalytic	Semi-Conductor
Output Signal	2 Alarms and 1 Fault		
Sensor Warm-up Time	60sec		
Response Time (T90)	<30*sec	<25sec	<15sec
Accuracy	%±2		
Operating Temperature	-20°C ~ +50°C		
Humidity	5 ~ 95%RH		
Input	Min 10VDC - Max 28VDC - Nominal 24VDC		
Power Consumption	Max. 3W		
Optional Outputs	Modbus RS485 RTU**		
Cable Entry	3 x PG11		
IP Rating	IP54		
Junction Box	ABS Plastic		
Sensor Head	ABS Plastic		
Dimensions/Weight	150x94,5x58mm / 250gr		

\*Sensor dependent.

\*\*When you choose work with this option, you can get only Alarm1 and Fault relay outputs.

XY	Gas	Product Code	Sensor Type	Measuring Range
30	LPG	BTN-3042	Catalytic	0-100%LEL
31	Methane	BTN-3142	Catalytic	0-100%LEL
33	n-Butane	BTN-3342	Catalytic	0-100%LEL
34	Propane	BTN-3442	Catalytic	0-100%LEL
36	Hydrogen	BTN-3642	Catalytic	0-100%LEL
37	Pentane	BTN-3742	Catalytic	0-100%LEL
44	Carbon monoxide	BTN-4444	Electrochemical	0-300ppm
64	Hydrogen Sulphide	BTN-6444	Electrochemical	0-100ppm
65	Oxygen	BTN-6544	Electrochemical	0-25%VOL
69	Chlorine	BTN-6944	Electrochemical	0-10ppm
72	Freon	BTN-7241	Semi-Conductor	0-2000ppm
72	Freon	BTN-7241/A*	Semi-Conductor	0-2000ppm

\*BTN-7241/A comes with 10m cable for specific applications.

Prosense gas detectors are fully tested and calibrated before delivery. Gas detectors must always be routinely controlled and calibrated regarding EN 60079-29-2.

For more information please contact with [info@prosense.com.tr](mailto:info@prosense.com.tr)