



FEATURES

- Highly rugged ABS plastics (UL standard) gives the indication unit Anticorrosiveness, arc-resistance and insulation.
- Light weight (only 1.3 kg ; AC100V standard)
- Feather-touch pushbutton operation.
- Drip-proof construction and Flat design without projections.
- A variety of optional functions.
- Dimmer Switch provided.
- More than 2 indication units can be jointed together.
- Saving-energy design of low power consumption.
- Highly integrated PC Board makes maintenance easier.
- Detection units excel in anti-corrosiveness due to aluminum alloy 7A.

INDICATION UNIT

TECHNICAL SPECIFICATION

Casing Material	Glass Fiber Contained ABS Plastics (UL Regulations V-O approved)	
Model Name	TS-303A	TS-303AP
Power	DC24V (+40% ~ -20%)	
Fittings	Wall hanging	
Detector type	Diffusion	Suction
Power consumption (W)	7	14
Dimensions (mm)	Wall Hanging 207 x 120 x 73 mm	
Weight (kg)	0.8	0.9
Detection principle	Catalytic Combustion (i.e. Hot Wire, Contact Combustion)	
Detection gases	Combustible gases in air in general	
Measuring range	0 ~ 100% LEL (Lower Explosive Limit)	
Accuracy	Within $\pm 5\%$ of Full Scale	
Alarm point	10% LEL (variable)	
Accuracy of alarm	Within 25% of preset point	
Alarm display	Flickering red LED and buzzer	
Environmental condition	-10°C ~ +50°C under 95% RH	
External alarm contact	C-Contact (Normal Open, Common, Normal Close)	
Ext. Contact capacity	MAX. AC125V, 2A (Non inductive load) or under 60VA	
Optional functions	Sub-meter	
	Record output	
	2 nd Contact	
	High & Low Alarm	
Others	Dimmer Switch and Test Switch are provided	
Color of coating	(Standard) Munsel 2.5 G7/2	

DETECTION UNIT

Model Name	Diffusion type DZF(3)	Suction type DZP(3)
Dimensions	80(W) x 130(D) x 75(H)mm	160(W) x 355(D) x 290(H)mm
Weight	Vert. 1.5 kg, Horz. 3.0 kg	10 kg
Explosion-proof classification	d ₂ G ₄ (JIS-C-0903)	
Power	DC1.5V, 330mA	
Power consumption	0.5W	
Explosion-proof certification no.	MOL No. 20087, NK No. 77T634	MOL No. 20088, NK No. 78T617

Exclusive Agent :
MODERN Automation & Engineering Pte Ltd
 Blk 4026, #01-263 Ang Mo Kio Industrial Park 1
 Singapore 569637.
 Tel : +65 6451 6313 Fax : +65 6451 5501
 E-mail : sales@modernautomation.com.sg
 Website : http://www.modernautomation.com.sg

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