

FIXED TYPE WIRELESS GAS DETECTOR **SDWL-1EC(TIIS) SPECIFICATION**

Model	SDWL-1EC
Detection principle	Electrochemical method
Gas to be detected*1	Hydrogen Sulfide(H ₂ S), Carbon Monoxide(CO), Chlorine(CL ₂)
Concentration display	LCD
Detection range*1	H ₂ S : 0-30ppm or 0-50ppm, 0-100ppm CO : 0-75ppm or 0-150ppm, 0-200ppm, 0-250ppm, 0-300ppm, 0-500ppm CL ₂ : 0-1.5ppm
Resolution	Depend on Detectable gas
Detection method	Diffusion method
Alarm setpoint value*1	Depend on Detectable gas
Power display	Checked with LCD display
Alarm accuracy (under the same conditions)	Within ±30% to the alarm setpoint value
Alarm delay time (under the same conditions)	Within 30seconds after providing the gas 1.6 times the alarm setpoint
Gas alarm type	Two-step alarm(H-HH)
Gas alarm display	Alarm lamps light up(ALM1:Red, ALM2:Red)
Alarm pattern	Non latching(auto-reset)
Fault alarm/Self diagnosis	System failure/sensor failure/antenna fault warning/communication abnormality warning
Fault alarm display	FAULT lamp lights up(yellow)
Fault alarm pattern*1	System abnormality: Self-latching Sensor/communication abnormalities: Non-latching(auto-reset) or Self-latching can be selected.
Wireless communication protocol	ISA100.11a (IEEE802.15.4 compliant)
Frequency range/ Wireless output power	2400 MHz - 2483.5 MHz, 12 dBm or less
Applicable wireless standard	FCC Approval (United States) IC Approval (Canada) IMDA Approval (Singapore)
Applicable EMC standard	EN50270, EN61326-1
Functions	Zero suppression/alarm delay/zero follower
Power supply	Battery driving: 7.2 V, lithium thionyl chloride battery (manufactured by TADIRAN: TL-5930/S)
Continuous operating time	2year (register A1:3pcs and B0:2pcs, 25°C, no alarm, I/O device setting)
Initial clear	Approx. 25 seconds
Operation	Dedicated magnet
Operating temperature	-10 - +40°C(non-rapidly-vary)
Operating humidity	30-80%RH or less(non-condensing/at a constant condition)
IP class	IP65(sensor part excluded)
How to install	2B pole mounting, wall mounting
Explosion-proof structure	Intrinsically safe explosion-proof structure
Explosion-proof class	Ex ia IIC T4 Ga
Explosion-proof approval No.	TC22070X
Dimensions	Approx. 157 (W) × 292 (H) × 206 (D) mm
Weight	2B pole mounting: approx. 4.5kg, wall mounting: approx. 5.5kg
Color	Munsell 7.5BG5/2

*1 Please specify your request when ordering.

Outline Drawings

