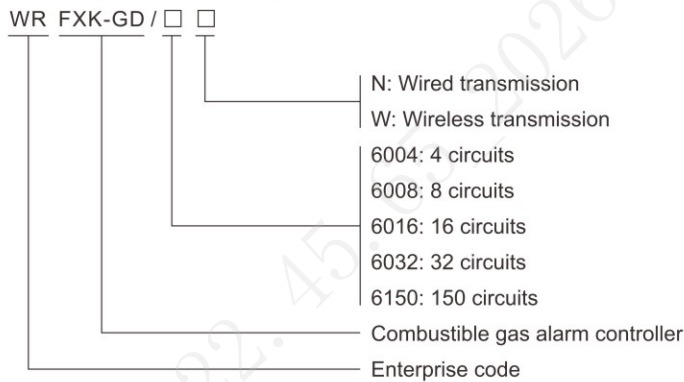


SCS-GDS Combustible/Toxic Gas Detection and Alarm System WRFXK-GD(W) Combustible Gas Alarm Controller (Wireless)



■ Catalogue number logic



■ Product features

- ◆ The gas alarm controller serves as a backend control device within the gas detection system, facilitating data display and equipment management functionalities.
- ◆ Equipped with a fully Chinese touch-operated interface, the system boasts user-friendly and intuitive operation.
- ◆ Adopting a modular structural design, the system ensures ease of maintenance.
- ◆ Capable of storing system logs and gas alarm records, it employs a cyclic overwrite storage method.
- ◆ Featuring a PC communication port, it can be connected to a computer, allowing for the retrieval of controller alarm records and parameters via the computer (optional).
- ◆ Configurable with wireless modules, it enables connectivity to platforms through wireless networks such as 4G, 5G, WIFI, and the Internet.



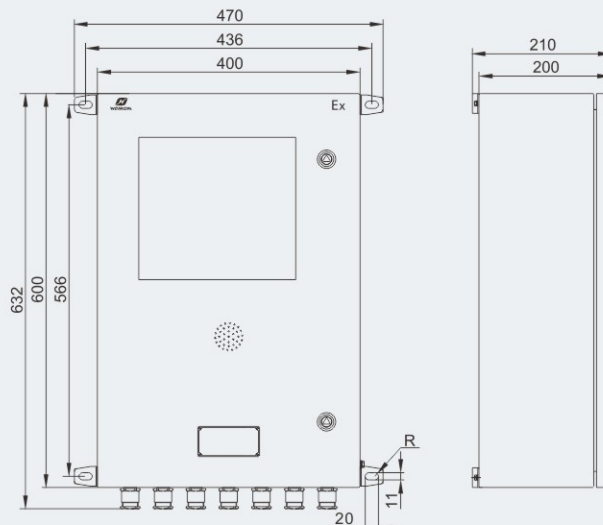
SCS-GDS Combustible/Toxic Gas Detection and Alarm System

WRFXK-GD(W) Combustible Gas Alarm Controller (Wireless)

Technical data	
Combustible Gas Alarm Controller (Wireless)	WRFXK-GD(W)
Conformity to standards	IEC 61779, GB 16808
Operation method	Fully Chinese touch-operated interface ensures ease and clarity of system operation.
Capacity	Equipped with 150 bus detectors utilizing 485 communication protocol, or alternatively, 32 channels of 4~20mA analog detector inputs, featuring automatic transmitter fault diagnosis.
LCD display	Display resolution of 128×64; supports single-channel or multi-channel patrol inspection, with functions including "mute", "page turn", "screen lock", and "switch", adjustable display precision.
Color LED	Blue indicates fault; green for normal concentration; yellow for level-1 alarm (low alert); red for level-2 alarm (high alert).
Switch output	Each channel can be associated with a public relay (optional) and a dedicated relay (optional). Upon channel alarm, both the public relay and associated relay will activate simultaneously.
Data storage	Capable of storing 512 system records and 2560 (upgradable to 50,000) gas alarm records, employing cyclic overwrite storage.
Communication interface	PC communication port, when connected to a computer, allows retrieval of controller alarm records and parameters.
Transmission distance	485 bus mode: maximum distance of 1000 meters. Current loop mode: maximum distance of 3000 meters.
Operating voltage	AC220V±15%, 50/60Hz
Accuracy	1%FS
Response time	1s
Display mode	OLED Display with chinese and digital concentration indication, capable of displaying gas types
Location information display	Each channel equipped with location information, tag number, and gas type display
Alarm mode	Audible and visual alarm functions
Input signal	4-20mA
Output signal	Supports 4-20mA current, RS-485 bus, and CAN bus protocols
Each channel output relay	Dual relay outputs for each channel
Built-in dc power supply	Integrated 24V, 20A DC power supply
Backup power supply	Compatibility with Lead-Acid batteries or UPS power sources
Enclosure material	Constructed from aluminum alloy, Q235 Steel, and 304/316 stainless steel



Dimension drawings (all dimensions in mm) - subject to alteration



Note: This drawing is a schematic representation; the actual product shall prevail.