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MIC2000 Gas Alarm Controller



Parameter

Signal input	1~32 channels 4~20mA, RS485 input at the same time, 255 probes can be connected
Output signal	Ethernet, RS485 (standard MODBUS protocol), 4-20mA (4 channels, 8 channels optional)
Display range	Number 0~99999
Resolution	1, 0.1, 0.01, 0.001 optional
Display accuracy	±0.1%FS
Display mode	High-definition color screen, six-channel simultaneous display or large-font single-channel circular display, more than six channels automatically or manually turn the screen and circular display
Control loop	standard is 4 channels, 1 public output, optional 8 channels, 12 channels, 16 channels control output
Alarm mode	sound and light alarm, three-level alarm, each loop can set high and low limit alarm value separately
Output control	The standard is 4 groups of relay contact output (normally open/normally closed), contact capacity 3A, 32VDC or 3A, 220VAC, one set of common alarm output, contact capacity 12A, 32VDC or 7A, 240VAC
Automatic detection	line break/short circuit detection, various detector states, function detection, etc.
Working temperature	-40℃~+70℃
Relative humidity	0~95%RH, used in non-condensing occasions, waterproof splash and short-term rain, can be customized outdoor completely moisture-

	proof and rain-proof
Power source	220VAC/50Hz or 24VDC, 2A, 24VDC, 5A, 24VDC, 10A optional, according to the number of probes to choose
Maximum power consumption	2.5W/channel
Backup power supply	DC24V 5Ah (optional)
Dimensions	330*255*95mm (2/4/8 channels); 420*305*95mm (16/24 channels); 540*305*95 (32 channels)

TH100-8 Eight Channel Gas Alarm Controller



Parameter

Item	Description
Product name	TH100 - 8 Channel Gas Alarm Controller
Display	8 inch TFT LCD touch screen
Power supply	AC220V $\pm$ 15%, 50Hz $\pm$ 1%
Consumption	$\leq$ 10W(according to different channels)
Output voltage	DC24V $\pm$ 15%
Input signal	RS-485/ 4-20mA
Relay output	4 relay output with optional NO or NC / customized
Relay contact capacity	5A, 30VDC or 5A, 220VAC
Alarm mode	Audible, visual
Installation mode	Wall-mounted
Suitable gas detector	MIC100 Fixed gas detector with RS485 signal output
Gas detector quantity	$\leq$ 64pc
Communication distance	$\leq$ 2000m
Working temperature	-10 $^{\circ}$ C~+50 $^{\circ}$ C
Working humidity	10~95%RH (Non-condensation)
Size	400mm*280mm*80mm
Weight	About 3.6kg
Protection grade	IP54
Quality standard	GB 16808-2008 GB 15326-1994
Certificate	CE, RoHS

MIC4000 Explosion-proof Controller



Parameter

- (1) Power supply: AC220V (with built-in AC220V to 24VDC switching power supply) or 24V battery
- (2) Power consumption: less than 15W
- (3) Measuring range: synchronized with the connected detector
- (4) Installation method: wall-mounted
- (5) Alarm setting: According to the online detector, it can be set freely, and one probe can control three groups of relays.
- (6) Input signal; RS485/4-20mA
- (7) Alarm mode: sound and light alarm
- (8) Output signal: RS485, 4-20mA output, of which 4-20mA output is an optional function. The controller is equipped with four groups of conventional contacts (24VDC/3A, AC220V/1A) and a group of common contacts (24VDC/5A, AC220V/1A); it can be expanded to 9 groups of normally open/normally closed passive contacts Output
- (9) Temperature: -20~70°C, humidity: 0~95%RH
- (10) Explosion-proof grade: IICT6
- (11) Executive standard: a. GB 3836.1—2010 "General Requirements for Electrical Equipment for Explosive Gas Atmospheres" b. GB 3836.2—2010 "Electrical Equipment for Explosive Gas Atmospheres Explosion-proof Type "d"

MIC3000 Gas alarm controller



Parameter

Signal input	4~20mA, RS485 input. Support up to 255 channels of input, 32 channels of relay output, 32 channels of 4-20mA input and output. The system cascade supports more than 1000 input channels at most
Output signal	RS485 (standard MODBUS protocol), 4-20mA (4-channel, 8-channel optional), Ethernet, wireless (4G/3G/2G 433M LoRa Zigbee), etc.

Display range	Digital 0~99999
Resolution	1, 0.1, 0.01, 0.001 selectable
Display Accuracy	±0.1%FS
Alarm mode	Sound and light alarm, each circuit can be individually set high and low limit alarm value, each circuit can be bound to three relay linkage output
Automatic detection	Line break/short circuit detection, various status of detectors, function detection, etc.
Working temperature	-20°C~+55°C, 10~85%RH, non-condensing occasion use, waterproof splash and short time rain
Power source	AC 180~240V 50H/60H
Maximum power consumption	Less than 10W (no-load)
Backup power supply	Optional as needed, price is extra
Installation method	Wall-mounted
Optional functions	All-in-one printer, Bluetooth printer, wireless transmission (GPRS, Bluetooth, WiFi, 433M, LoRa)

TH100-4 Four Channel Gas Controller



Parameter

Item	Description
Product name	TH100 - 4 Four Channel Gas Alarm Controller
Display	8 inch TFT LCD touch screen
Power supply	AC220V±15%, 50Hz±1%
Consumption	≤10W(according to different channels)
Output voltage	DC24V±15%
Input signal	RS-485/ 4-20mA
Relay output	4 relay output with optional NO or NC / customized
Relay contact capacity	5A, 30VDC or 5A, 220VAC
Alarm mode	Audible, visual
Installation mode	Wall-mounted
Suitable gas detector	MIC100 Fixed gas detector with RS485 signal output
Gas detector quantity	≤64pc
Communication distance	≤2000m
Working temperature	-10°C~+50°C
Working humidity	10~95%RH (Non-condensation)
Size	400mm*280mm*80mm

Weight	About 3.6kg
Protection grade	IP54
Quality standard	GB 16808-2008 GB 15326-1994
Certificate	CE, RoHS

TH100-2 Two Channel Gas Controller



Parameter

Item	Description
Product name	TH100 - 2 Channel Gas Alarm Controller
Display	8 inch TFT LCD touch screen
Power supply	AC220V±15%, 50Hz±1%
Consumption	≤10W(according to different channels)
Output voltage	DC24V±15%
Input signal	RS-485/ 4-20mA
Relay output	4 relay output with optional NO or NC / customized
Relay contact capacity	5A, 30VDC or 5A, 220VAC
Alarm mode	Audible, visual
Installation mode	Wall-mounted
Suitable gas detector	MIC100 Fixed gas detector with RS485 signal output
Gas detector quantity	≤64pc
Communication distance	≤2000m
Working temperature	-10°C~+50°C
Working humidity	10~95%RH (Non-condensation)
Size	400mm*280mm*80mm
Weight	About 3.6kg
Protection grade	IP54
Quality standard	GB 16808-2008 GB 15326-1994
Certificate	CE, RoHS

TH100-1 One Channel Gas Controller



Parameter

Item	Description
Product name	TH100 - 1 One Channel Gas Alarm Controller
Display	8 inch TFT LCD touch screen
Power supply	AC220V±15%, 50Hz±1%
Consumption	≤10W(according to different channels)
Output voltage	DC24V±15%
Input signal	RS-485/ 4-20mA
Relay output	4 relay output with optional NO or NC / customized
Relay contact capacity	5A, 30VDC or 5A, 220VAC
Alarm mode	Audible, visual
Installation mode	Wall-mounted
Suitable gas detector	MIC100 Fixed gas detector with RS485 signal output
Gas detector quantity	≤64pc
Communication distance	≤2000m
Working temperature	-10°C~+50°C
Working humidity	10~95%RH (Non-condensation)
Size	400mm*280mm*80mm
Weight	About 3.6kg
Protection grade	IP54
Quality standard	GB 16808-2008 GB 15326-1994
Certificate	CE, RoHS

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