## **Honeywell**





An advanced world of intelligent gas detection system management





#### A world of control technology

- High precision, intelligent control
- Master/voted alarm options
- High packing density
- Flexible I/O configuration
- Relay output options

### System 57 - the heart of fire and gas control

For almost half a century, Sieger gas detection systems have provided the safety needed to protect plant and personnel from flammable and toxic gas hazards. Across the globe, they are installed in a wide variety of applications ranging from simple small scale systems to some of the world's largest fully integrated fire and gas detection systems.

To fulfil the unique requirements of each individual application requires a control system with unlimited flexibility. The modular design approach employed by the Sieger System 57 enables you to define, in detail, the unique control and alarm parameters to fulfil your requirement.

System 57 accepts inputs from flammable and toxic gas detectors, a large range of flame, smoke and heat detectors and manual call points. Available outputs include relays, analog signals and industry standard digital protocols. Packaged in either wall mounting cabinets or panel mounting racks, System 57 can be used stand alone or integrated into the heart of a fire and gas system.

Whatever the application, large or small, our sales engineers and customer service representatives are available to discuss your requirements and recommend the control system that's best for you.



## **Technical Summary**

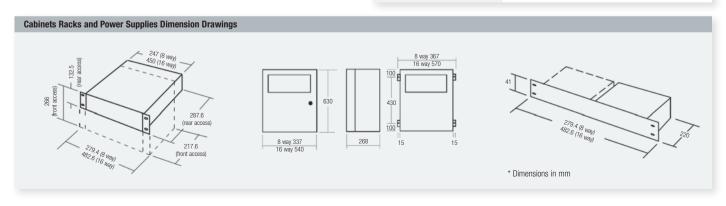




5704F Fire Card Specification	5704 Fire Card	5704 Fire Status Panel
Audible Sounder	-	60dB at 1 meter
Remote Facilities	accept, reset and silence	-
Supply Voltage	21V to 32Vdc	18V to 32Vdc
Power Consumption	2W	0.75W
Operating Temperature	-5°C to	+55°C
Storage Temperature	-25°C to	0 +55°C
Operating Humidity	20-90% RH (n	on condensing)
Dimensions	3U high x 2	25mm wide
Weight	175g	75g
Approvals	EN50	0270

Cabinets			
Material	Mild Steel		
Colour	RAL-7015 - slate grey		
Hinge	Left hand side		
Lock	Right hand side		
Rack Mounting	8 way: half 19" profile.		
	16 way: 19" universal profile		
Pre-formed Gland Entries	8 way: 2 x M25; 2 x PG16; 8 x M20; 6 x PG11		
	16 way: 3 x M25; 4 x PG16; 16 x M20; 10 x PG11		
Environmental Protection	IP54		
Mounting Plate	8 way: 120mm high x 220mm wide		
	16 way: 120 mm high x 440mm wide		
Earthing Points	Main Cabinet: M6. Door: M5.		
Mounting Bracket Holes	10mm diameter		
Weight	8 way: 10.0kg		
	16 way: 13.5kg		
Racks			
Material	Galvanized Steel		
Colour (Mounting Brackets)	RAL-7015 - slate grey		
Mounting	8 way: half 19" profile.		
	16 way: 19" universal profile		
Earthing Point	M5 stud		
Mounting Bracket Holes	6mm diameter		
Supply Voltage	18 to 32Vdc		
Power Consumption	1.5W		
Operating Temperature	-5°C to +55°C		
Storage Temperature	-25°C to +55°C		
Operating Humidity	0-90%RH (non-condensing)		

Cabinets Racks and Power Suppl	ies Specification cont.
Racks cont.	
Weight	8 way front access 3.9kg
(inc. Engineering Card & DC input Card)	16 way front access 5.8kg
	8 way rear access 2.8kg
	16 way rear access 4.1kg
Approvals	EN50270
Power Supplies	
Supply Voltage	ac: 85V to 264V; 47Hz to 440Hz
	dc: 110V to 340V
Inrush Current	typically 30A at 230V input for 50W full load
Output Voltage	24Vdc ± 10%
Power Supply Rating	8-way: 50W upgradeable to 100W
	16-way: 50W upgradeable to 200W
Overload Protection	Operates at more than 105% of rating. Recovery automatic.
Overvoltage Protection	Operates at more than 115% of rating
Mounting	8 way: half 19" profile.
	16 way: 19" universal profile
Earthing Point	M5 stud
Mounting Bracket Holes	6mm diameter
Operating Temperature	-25°C to +55°C
Operating Humidity	20-90%RH (non-condensing)
Weight	8 way,50W 0.9kg
	16 way, 50W 0.96kg
	subunit: 815g
	50W module 230g
Colour	Front: RAL-7015- slate grey
	Body: Black anodize
Approvals	EN50270







#### 5701 Gas Control Card

This provides a single channel control function within a 1" wide package.

- Independent single channel operation
- Plug-in input and output options

#### 2 5704 Gas Control Card

This provides four channels of control function within a 1" wide package.

- 4-channel operation
- Choice of output options
- Channel displayed: automatic sequencing, highest reading, combination or manual channel display selection options

#### 3 5704F Fire Control Card

This provides four zones of fire control within a 1" wide package.

- 4 zone fire card
- 2 line monitored outputs
- Up to 15 cards in a 19" rack

#### 4 5704FS Fire Status Panel

Each rack that contains a 5704F fire card has one 5704FS fire status panel fitted. The 5704FS fire status panel provides common display and alarm indication for all of the fire cards in a rack as well as a local audible sounder. It also provides common push buttons for executing specific fire card related functions.

- Common fire control card push button functions
- Common display and alarm indications
- Local audible sounder

#### 5 Master Alarm Update Panel

The master alarm update facility can be enhanced by adding the optional master alarm update panel.

- 1" wide panel
- Audible and visual alarm
- Reset and accept push button
- Provides update facilities without the need for external wiring

#### 6 Power Supply Units

The power supply units are rack mounted to complement the System 57 systems

- 1U high, 19" & 1/2 19" units
- Upgradeable to 200W in 50W blocks
- · Auto sensing input voltage: AC or DC
- Regulated DC output
- Over voltage and overload protected

#### 7 Engineering Card

The System 57 engineering card provides full maintenance and set up facilities for each channel card. The front panel has a series of tactile feedback push buttons that allows checks of the alarm levels and performance to be carried out for each channel. A real-time 'on board' clock provides calibration history and calibration overdue reminder functions.

- Security protected
- User friendly operation
- Calibration facility
- Command accept/abort facility
- · Channel card set up capability







Optional analog output module











Analog input board























#### 8 Engineering Card Modules

A number of plug-in options for the extended system capabilities:

#### 8a Serial Communications Module

The serial communications module provides a gateway between the System 57 rack and a remote device (DCS, PLC or SCADA package) to allow the continuous monitoring of each channel's operation and condition as well as allowing remote configuration of the system operation.

- Industry standard MODBUS RTU protocol
- RS485/422/232 standard
- Bi-directional
- Electrically isolated communications bus
- SCADA graphics package available

#### 8b RS232 Printer Driver Module

The printer driver module provides a serial output in the event of a gas alarm, fault or user intervention.

- RS232 ASCII event data
- Selectable print criteria
- Time and date stamping
- Electrically isolated communications bus

#### 8c Master Alarm Update Module

The alarm update module provides a common alarm indication with new alarm event update.

- 2 Outputs: 1 relay, 1 Darlington
- Selectable operation: pulsed, continuous
- Alarm accept input
- · Common alarm reset input
- Complies with ISA 'M', DIN 19 235
- Optional master alarm update panel

#### 9 Interface Cards

There are 9 versions of interface card available (5 for 5701 Gas, 2 for 5704 Gas and 2 for 5704 Fire Control Cards). The interface cards provide the link between the various fire or gas detectors and the control cards.

- · Sensor interface
- Flexible relay options
- Individual control card power option
- High integrity operation option
- Accepts ≤ 2.5mm/14 gauge cable

#### 10 Rack Assemblies

System 57 racking units provide mounting options for the system 57 control cards and interface cards. The racks are available complete with a DC input card and an engineering card.

- 3U high format
- Front and rear wiring options
- Half and full 19" versions
- Up to 64 channels of gas detection or 60 channels of fire detection in a single rack, or a combination of both.

#### **Cabinet Assemblies**

The System 57 cabinets provide a convenient and compact mounting of the rack assemblies and PSUs

- Wall mounting half and full 19" versions
- IP54/Nema 12 cabinet protection rating
- · Preformed knock-out gland entries
- · Accessory mounting plate

#### **DC Input Card**

The DC input card is connected directly to the engineering card and provides the connection point for power supplied to the whole rack.

The field wiring from the engineering card modules is also on this card.

- · Common power supply wiring point
- Reverse polarity and short circuit protection
- Multi-supply input capability

## **Technical Summary**





Interface Card Selection Table		5701 Gas	s Interface Card	I Туре		5704 Gas Inte	erface Card Type	5704F Fire I	nterface Card Type
interrace card selection rable	Field Interface	Double SPCO	Triple SPC0	Triple DPCO	High Integrity	Quad Relay	Relay Interface	Hex Relay	Relay Interface
Sensor Connection	•	•	•	•	•	•	•	•	•
No relays	•								
3 SPCO Relays		•							
5 SPCO Relays			•						
8 Changeover Relays				•					
8 Changeover Relays*					•				
4 SPCO Relays**						•			
12 SPCO and 4 SPST Relays**							•		•
6 SPCO Relays**								•	
24V in	•	•	•	•	•	•	•	•	•
24V out	•	•	•	•	•				
Analog ***	•	•	•	•	•	•	•		
Remote Inhibit	•	•	•	•	•	•	•		
Remote Reset	•	•	•	•	•	•	•		
Remote Accept, Reset, Silence								•	•
2 x line monitored outputs								•	•

<sup>\* 8</sup> relays (7 fully configurable, 1 for fault alarm). Configurable master alarm functions or a mixture of master and individual alarms. The relay states are monitored by the control card to ensure correct operation of the relays. \*\* Fully configurable for individual or master alarms and relay operation. \*\*\* With optional analog output module fitted to control card.

5704F Indications		Indic	ation	
Function	Colour	Continuous	Flashing	
5704 Fire Card				
Fire	Red	Fire condition on zone (accepted)	New fire condition (not accepted)	
Fault	Yellow	Fault condition on zone (accepted)	New fault condition (not accepted)	
Inhibit	Yellow	Zone inhibited	-	
Output channel	Yellow	Output channel in fault condition (accepted)	New output fault condition (not accepted)	
Selected zone	Yellow	Active when zone has been accepted	-	
Card fault	Yellow	Card fault (accepted)	Card fault (not accepted)	
Power	Green	Healthy	-	
5704 Fire Status Panel				
Master fire	Red	Fire condition on at least one zone (accepted)	New fire condition (not accepted)	
Master fault	Yellow	Fault condition on at least one zone (accepted)	New fault condition (not accepted)	
Master inhibit	Yellow	At least one zone inhibited	-	
Master silence	Yellow	At least one output silenced	-	
Master walk test	Yellow	At least one zone in walk test mode	-	
Earth fault	Yellow	Earth fault (accepted)	New earth fault (not accepted)	
Power	Green	Healthy	-	
Audible Mode		Indication		
Continuous		New fire condition (not acco	epted)	
1s ON, 1s OFF		New fault condition (not acc	epted)	
1s ON every 10s		Fire signal on at least one zone	(accepted)	
1s ON every 30s		Fault signal on at least one zone (accepted)		

# **Technical Summary**





Control Card	5701 Control Card	5704 Control Card
Back lit LCD	Bar graph+peak reading, digital, alphanumeric	Bar graph+peak reading, digital, alphanumeric
Front Panel Facilities	Red LED: A1, A2, A3 Yellow LED: fault, inhibit Green LED: power Push button: alarm reset/card select	CH1-4 LEDs: A1, A2, A3, fault, inhibit per channel Attn LED: card fault, update alarm, alarm test Green LED: power Push button: alarm reset/card select
Remote Facilities	Inhibit and remote alarm reset	Inhibit and remote alarm reset
Supply Voltage	18V to 32Vdc	18V to 32Vdc
Power Consumption	Catalytic: 3.75W 4-20mA: 3.25W	Catalytic: 12.8W 4-20mA: 8.4W
Display/Alarm Point	Linearity: 1% fsd Repeatability: 1% fsd	Linearity: 2% fsd Repeatability: 2% fsd
Electronic Drift	Less than 2% / 6 months	Less than 3% / 6 months
Operating Temperature	-5°C to +55°C	-5°C to +55°C
Storage Temperature	-25°C to +55°C	-25°C to +55°C
Operating Humidity	20-90% RH (non condensing)	20-90% RH (non condensing)
Dimensions	3U high x 25mm wide	3U high x 25mm wide
Weight	165g	165g
Approvals	EN50270	EN50270
Catalytic Bridge Input		
Drive Method	Constant current	Constant current
Current Range	70mA to 283mA	90mA to 315mA
Full Scale Range	15mV to 600mV	15mV to 300mV
Maximum Line Resistance	40 ohms at 250mA (including sensor)	40 ohms at 200mA (including sensor)
4-20mA Input		
Loop Powered Voltage	23V ± 5% isolated	24V ± 5% isolated
Sensor Configuration	current sink or source	current source
Signal Measurement Range	0 to 25mA	0 to 25mA
Maximum Loop Resistance	500 ohms (including sensor)	500 ohms (including sensor)
Analog Output Option		
Measurement Signal Range	0 to 20mA or 4 to 20mA	0 to 20mA or 4 to 20mA
Linearity From Input	Better than 2% fsd	Better than 2% fsd
Repeatability From Input	Better than 1% fsd	Better than 1% fsd
Configuration	Isolated current sink or source (with external supply)	Isolated per card for current sink or source (with external supply)

Interface Card Specification	5701 Interface Relay Cards	5704 Interface Relay Cards	5704F Interface Relay Cards
Relay Contacts		5A at 250Vac/32Vdc (non-inductive)	
Relay Operation	selectabl	le- latching/non-latching, normally energized/ de-e	nergized
Power Consumption	Field Interface card 0.0W	Quad Relay Interface 1.7W	Hex Relay Interface 2W
	Double SPCO card 0.8W	Relay Interface Assembly 6.5W	Relay Interface Assembly 6.5W
	Triple SPCO card 1.0W		
	Triple DPCO card 1.6W		
	High Integrity card 1.7W		
Terminals		accepts up to 2.5mm² (14AWG) cable	
Operating Temperature		-5°C to +55°C	
Storage Temperature		-25°C to +55°C	
Operating Humidity		20-99% RH (non condensing)	
Weight	Field Interface card 95g	Quad Relay Interface 230g	Hex Relay Interface 250g
	Double SPCO card 155g	Relay Interface Assembly 500g	Relay Interface Assembly 500g
	Triple SPCO card 205g		
	Triple DPCO card 245g		
	High Integrity card 255g		
Approvals		EN50270	





#### **Control Cards**

The System 57 offers unrivalled flexibility with both Fire and Gas control cards available in the same rack.

#### **Gas Control Cards**

The System 57 gas control cards provide display and alarm facilities for the full range of Sieger gas detectors.

Their concise, back lit, multi-part LCD displays the gas reading and status in both analog bar graph and digital numeric forms. In addition, there is an alpha numeric message section to give sensor (and engineering function) status.

There is a choice of either the single channel 5701 or the four channel 5704 gas control cards. Each card has two input options; one is for catalytic bridge type while the other is for 4 to 20mA sensors or transmitters.

- 3 levels of alarm
- Options of individual, zoned, voted, master, time delayed, update and rate of rise alarm facilities
- Clear 4 part LCD display
- Peak reading facility
- Sensor performance monitoring

#### **Fire Control Cards**

The 5704F Fire control cards provide display and alarm facilities for a wide variety of fire detection products and provides up to four fire zone inputs compatible with most flame, smoke and heat detectors and manual call points. The status of each fire zone is individually displayed by high intensity LEDs.

In addition, each card has two line monitored alarm output circuits.

Both Fire and Gas control cards can be freely mixed in a rack.

- High intensity LED indications
- Up to 60 fire zones per 19" rack
- Configurable for use with a wide range of fire detection products



Single Channel Gas Control Card



Four Channel Gas Control Card



Four Zone Fire Card



Fire Status Panel



Engineering Card

#### Oil and Gas

- Petrochemical
- Onshore
- Offshore

#### Industrial

- Chemical
- Semi-conductor
- Water treatment
- Food

### Commercial

- Building services
- · Car parks
- Boiler houses

•	
Serial Communication Modules	
Power Consumption	RS232: 0.75W RS422/485 :1.5W
Maximum Cable Length	RS232: 15m (49ft) RS422/485 :1200m (3900ft)
Protection	Thermal shutdown
Isolation	50V relative to system 0V
Operating Temperature	-5°C to +55°C
Storage Temperature	-25°C to +55°C
Operating Humidity	0-90%RH (non-condensing)
Weight	30g
Approvals	EN50270
Serial Communication	
Format	Asynchronous Serial Data
Data Bits	8
Stop Bits	1 or 2
Parity	odd, even or none
Data Rate	19200 (not RS232), 9600, 4800 or 2400 baud)
MODBUS Protocol	
Mode	RTU
MODBUS Functions	02, 03, 04, 06 & 16
RS232 Interface Module	
Inputs/Outputs	Two data (RXD, TXD), two handshake (DTR, DSR)
Input Threshold	Positive: 3V maximum, . Negative: 0.6V minimum
Output Voltage	±5V minimum
Input Hysteresis	500mV typical
Common Mode Voltage	-15V minimum to +15V maximum

Engineering Card Modules cont.	
RS232 Printer Driver	
Power Consumption	0.75W max
Operating Temperature	-5°C to +55°C
Storage Temperature	-25°C to +55°C
Operating Humidity	0-90%RH (non-condensing)
Weight	30g
Approvals	EN50270
Serial Communication	
Format	Asynchronous Serial Data, ASCII text or EPSON emulation
Data Bits	8
Stop Bits	1
Parity	None
Data Rate	9600 baud
Printer Compatibility	
Configuration Options	Carriage return, line feed, date format
RS 232 Interface	oamago rotam, into rood, dato romat
Cable Type	Screened multi-core wire recommended
Inputs/Outputs Specification	SS. SSNOW MAIN GOTO WITO TODONIMIONUOU
Maximum Cable Length	15m (49ft)
Maximum Data Rate	9600 bits per second
	500mV typical
Input Hysteresis	±5V minimum
Output Voltage	
Input Threshold	Positive: 3V maximum, . Negative: 0.6V minimum
Common Mode Voltage	-15V minimum to +15V maximum
Protection	Thermal shutdown
Isolation	50V relative to system 0V
Master Alarm Update	
Power Consumption	Update Module: 0.25W max. Update Panel 0.2W max
Weight	Update Module: 25g. Update Panel 35g
Operating Temperature	-5°C to +55°C
	0500 1. 5500
Storage Temperature	-25°C to +55°C
Storage Temperature Operating Humidity	-25°C to +55°C 0-90%RH (non-condensing)
Operating Humidity	0-90%RH (non-condensing)
Operating Humidity Approvals	0-90%RH (non-condensing) EN50270
Operating Humidity Approvals Relay Output Contact Type	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive)
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive) 50V relative to system 0V
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive) 50V relative to system 0V Update alarm accept and master reset
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive) 50V relative to system 0V Update alarm accept and master reset 2V
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive) 50V relative to system 0V Update alarm accept and master reset 2V 5mA
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive) 50V relative to system 0V Update alarm accept and master reset 2V 5mA Steady or Pulsed
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module Modes Pulse On/Off Time	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive) 50V relative to system 0V Update alarm accept and master reset 2V 5mA
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module Modes Pulse On/Off Time Transistor Output	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive) 50V relative to system 0V Update alarm accept and master reset 2V 5mA  Steady or Pulsed Adjustable (0 to 25.5 in 0.1 sec intervals)
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module Modes Pulse On/Off Time Transistor Output Maximum Input Voltage	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive) 50V relative to system 0V Update alarm accept and master reset 2V 5mA Steady or Pulsed Adjustable (0 to 25.5 in 0.1 sec intervals)
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module Modes Pulse On/Off Time Transistor Output Maximum Input Voltage Maximum Input Current	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive) 50V relative to system 0V Update alarm accept and master reset 2V 5mA Steady or Pulsed Adjustable (0 to 25.5 in 0.1 sec intervals) 40Vdc 100mA
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module Modes Pulse On/Off Time Transistor Output Maximum Input Voltage Maximum Input Current Saturation Voltage (VCE)	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive) 50V relative to system 0V Update alarm accept and master reset 2V 5mA Steady or Pulsed Adjustable (0 to 25.5 in 0.1 sec intervals) 40Vdc 100mA 3V (maximum)
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module Modes Pulse On/Off Time Transistor Output Maximum Input Voltage Maximum Input Current Saturation Voltage (VCE) Protection	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive) 50V relative to system 0V Update alarm accept and master reset 2V 5mA Steady or Pulsed Adjustable (0 to 25.5 in 0.1 sec intervals) 40Vdc 100mA
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module Modes Pulse On/Off Time Transistor Output Maximum Input Voltage Maximum Input Current Saturation Voltage (VCE) Protection Master Alarm Update Panel	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive) 50V relative to system 0V Update alarm accept and master reset 2V 5mA Steady or Pulsed Adjustable (0 to 25.5 in 0.1 sec intervals) 40Vdc 100mA 3V (maximum) Thermal over-current shutdown
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module Modes Pulse On/Off Time Transistor Output Maximum Input Voltage Maximum Input Current Saturation Voltage (VCE) Protection Master Alarm Update Panel Dimensions	0-90%RH (non-condensing) EN50270 Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive) 50V relative to system 0V Update alarm accept and master reset 2V 5mA  Steady or Pulsed Adjustable (0 to 25.5 in 0.1 sec intervals)  40Vdc 100mA 3V (maximum) Thermal over-current shutdown
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module Modes Pulse On/Off Time Transistor Output Maximum Input Voltage Maximum Input Current Saturation Voltage (VCE) Protection Master Alarm Update Panel Dimensions Switch Inputs	0-90%RH (non-condensing)  EN50270  Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive)  50V relative to system 0V  Update alarm accept and master reset 2V  5mA  Steady or Pulsed  Adjustable (0 to 25.5 in 0.1 sec intervals)  40Vdc 100mA 3V (maximum)  Thermal over-current shutdown  3U high x 25mm wide  Update alarm accept and master reset
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module Modes Pulse On/Off Time Transistor Output Maximum Input Voltage Maximum Input Current Saturation Voltage (VCE) Protection Master Alarm Update Panel Dimensions Switch Inputs Contact Type	0-90%RH (non-condensing)  EN50270  Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive)  50V relative to system 0V  Update alarm accept and master reset 2V  5mA  Steady or Pulsed  Adjustable (0 to 25.5 in 0.1 sec intervals)  40Vdc 100mA 3V (maximum)  Thermal over-current shutdown  3U high x 25mm wide  Update alarm accept and master reset  Push-button momentary action
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module Modes Pulse On/Off Time Transistor Output Maximum Input Voltage Maximum Input Current Saturation Voltage (VCE) Protection Master Alarm Update Panel Dimensions Switch Inputs Contact Type Visual Output Type	0-90%RH (non-condensing)  EN50270  Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive)  50V relative to system 0V  Update alarm accept and master reset  2V  5mA  Steady or Pulsed  Adjustable (0 to 25.5 in 0.1 sec intervals)  40Vdc  100mA  3V (maximum)  Thermal over-current shutdown  3U high x 25mm wide  Update alarm accept and master reset  Push-button momentary action  Piezo electric buzzer
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module Modes Pulse On/Off Time Transistor Output Maximum Input Voltage Maximum Input Current Saturation Voltage (VCE) Protection Master Alarm Update Panel Dimensions Switch Inputs Contact Type Visual Output Type Nominal Frequency	0-90%RH (non-condensing)  EN50270  Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive)  50V relative to system 0V  Update alarm accept and master reset  2V  5mA  Steady or Pulsed  Adjustable (0 to 25.5 in 0.1 sec intervals)  40Vdc  100mA  3V (maximum)  Thermal over-current shutdown  3U high x 25mm wide  Update alarm accept and master reset  Push-button momentary action  Piezo electric buzzer  2kHz
Operating Humidity Approvals Relay Output Contact Type Relay Contact Rating Isolation Remote Inputs Input Threshold Maximum Input Current Master Alarm Update Module Modes Pulse On/Off Time Transistor Output Maximum Input Voltage Maximum Input Current Saturation Voltage (VCE) Protection Master Alarm Update Panel Dimensions Switch Inputs Contact Type Visual Output Type	0-90%RH (non-condensing)  EN50270  Single pole link selectable for normally open or closed operation 2A at 40Vdc (non-inductive)  50V relative to system 0V  Update alarm accept and master reset  2V  5mA  Steady or Pulsed  Adjustable (0 to 25.5 in 0.1 sec intervals)  40Vdc  100mA  3V (maximum)  Thermal over-current shutdown  3U high x 25mm wide  Update alarm accept and master reset  Push-button momentary action  Piezo electric buzzer

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