Honeywell

301EM-20 SPECIFICATIONS

Controller

General Specification				
Use	Wall mounted mechanical room controller for use with Honeywell Analytics 301IRFS and S301D2 gas sensors for up to 20 points of detection. Four (4) onboard relays can be used to activate alarms or deactivate equipment.			
Power Requirement	22-27 VAC, 29-38 VDC, 2A max @ 29VDC			
Size	11 (H) x 8 (W) x 2.7 (D) in. (28 x 20.3 x 7 cm)			
Weight	2.25 lbs. (1.02 kg)			
Distance Between Controller and Sensor	301IRFS refrigerant sensors: Up to 200 ft. (60.9 m) S301D2 toxic/combustible sensors: Up to 500 ft. (160 m)			
Visual Indicators	Normal Operation	Green LED		
	Alarm Level 1	Red LED		
	Alarm Level 2	Red LED		
	Alarm Level 3	Red LED		
	Signal Tx	Blinking amber LED		
	Failure Indication	Yellow LED		
Alarm Levels	3 with high and low setpoints			
Outputs	4 DPDT relays (alarms and/or fault), buzzer			
	Three 24 VDC, 250mA (per output)			
	Four 4-20mA outputs			
	Modbus			
	RFS option: 24 VDC built-in red strobe			
	RFSA option: 24 VDC built-in red strobe & 105 dBA horn			
Relay Output Rating	5 A, 30 VDC or 250 VAC (resistive load)			
Gases Detected	Gases Detected	Detection Range	Operating Temperature	Operating Humidity Range
301IRFS				
	R11, R22, R123, R125, R134A, R404A, R407C, R410A, R507A	0-1,000 ppm	32° to 104°F (0° to 40 °C)	0-95% non-condensing
S301D2				
	Carbon Monoxide (CO)	0-250 ppm	-40° to 100°F (-40° to 40°C)	0-95% non-condensing
	Chlorine (Cl_2)	0-15 ppm	-40° to 100°F (-40° to 40°C)	0-95% non-condensing
	Nitrogen Dioxide (NO_2)	0-10 ppm	-40° to 100°F (-40° to 40°C)	0-95% non-condensing
	Hydrogen Sulfide (H_2S)	0-50 ppm	-40° to 100°F (-40° to 40°C)	0-95% non-condensing
	Sulfur Dioxide (SO_2)	0-10 ppm	-40° to 100°F (-40° to 40°C)	0-95% non-condensing
	Oxygen (O_2)	0-25%	-4° to 104°F (-20° to 40°C)	0-95% non-condensing
	Combustibles	0-100% LEL	-40° to 112°F (-40° to 50°C)	0-95% non-condensing
Ratings and Certification				
Alarm Levels	CAN/CSA C22.2 No. 61010-1			
	116662			
Conforms to	ANSI/UL 61010-1			

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