GAS DETECTION CONTROLLER
301C-DLC

DESCRIPTION

The **Honeywell Analytics 301C-DLC Gas Detection Controller** provides continuous monitoring of up to 96 inputs/outputs, on three channels, at distances up to 2000'. Modbus communication channels are included. The **301C-DLC** is pre-programmed at the factory, but menu driven changes can be made in the field. The **301C-DLC** allows monitoring of an entire network and will initiate an alarm or ventilation activation upon detection of a gas. One model is available with datalogging.

The **301C-DLC Gas Detection Controller** is designed to be used as part of a control system that helps to prevent the formation of a hazardous environment when properly installed and maintained.

Honeywell Analytics
experts in gas detection

301C-DCL

FEATURES

- **Full array of visual indicators and audible alarm**
- **Multiple fully programmable alarm levels**
- **Programmable time delays**
- **Failure indicator**
- **Up to 96 transmitters and relay modules**
- **Up to 768 events**
- **Up to 128 zoning groups**
- **Graphic 122 x 32 dot-matrix display**
- **Datalogging available**
- **Programmable relay differential**

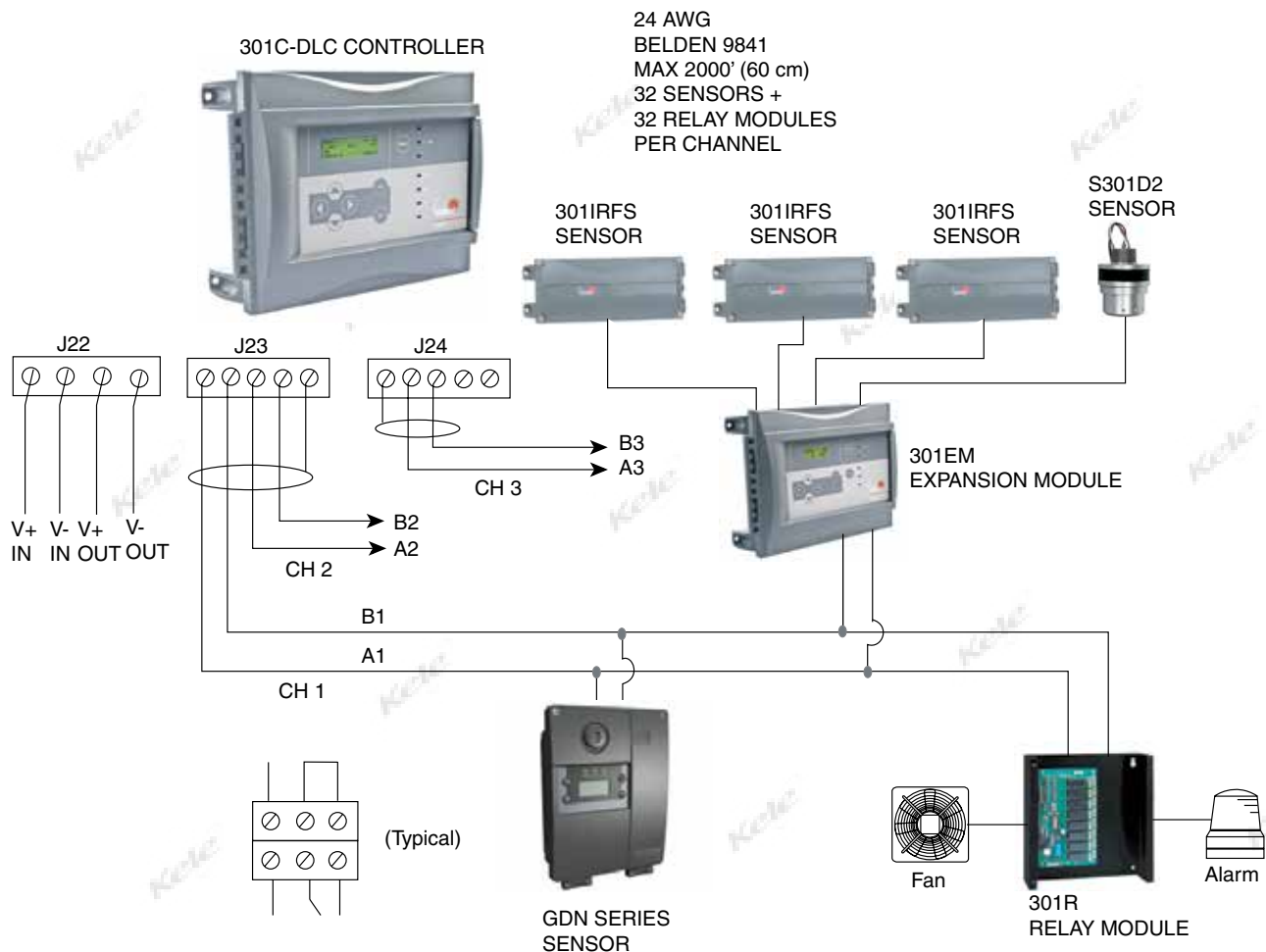**301R-8**

SPECIFICATIONS

Supply Voltage		**User Interface**	Dot-matrix display and keypad
301C-DLC	17-27 VAC @ 8.6 VA or 24-38 VDC @ 350 mA	**Visual Indication**	Blinking Green LED: Normal operation Red LED: Alarm Level 1, 2, and 3 Blinking Amber LED: Signal Tx Blinking Green LED: Signal Rx Yellow LED: Failure
301R	17-27 VAC @ 8.6 VA or 24-38 VDC @ 250 mA		
Relay Output	5A, 30 VDC or 250 VAC (resistive load)	**Operating Temperature**	-4° to 122°F (-20° to 50°C)
301C-DLC	4 DPDT relays (alarms/fault), buzzer	**Operating Humidity**	0% to 95% RH (non-condensing)
301R	8 DPDT relays	**Dimensions**	
Relay Setpoint	Multiple with high and low setpoints	301C-DLC	8.0" H x 11.0" W x 2.7" D (20.3 x 28.0 x 7.0 cm)
Alarm Auditory Levels [Db]		301R	8.0"H x 9.5"W x 2.5"D (20.3 x 24.4 x 5.7 cm)
	65 dba @3 ft (1m)	**Weight**	
Alarm Time Delay	0, 30 sec, 45 sec, 1-99 minute before and after alarm	301C-DLC	2.3 lb (1.0 Kg)
Network	Capacity: Up to 96 transmitters and 96 relay modules	301R	3.0 lb (1.4 Kg)
Communication	Three Modbus zones	**Approvals**	CSA
Distance To Transmitters		**Warranty**	1 year
	2000' (600m) maximum, 65 ft (20m) T-Tap, 130 ft (40m) total T-Tap, 2000 ft (600m) maximum		

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GAS & SPECIALTY SENSORS

GAS DETECTION CONTROLLER
301C-DLC

WIRING

301C-DLC CONTROLLER

24 AWG
BELDEN 9841
MAX 2000' (60 cm)
32 SENSORS +
32 RELAY MODULES
PER CHANNEL

301IRFS SENSOR   301IRFS SENSOR   301IRFS SENSOR   S301D2 SENSOR

J22   J23   J24

V+ IN   V- IN   V+ OUT   V- OUT

B3
A3
CH 3

B2
A2
CH 2

B1
A1
CH 1

301EM EXPANSION MODULE

(Typical)

GDN SERIES SENSOR

Fan   301R RELAY MODULE   Alarm

ORDERING INFORMATION

MODEL	DESCRIPTION
301C-DLC	Gas detection controller with datalogging
301R-8	Eight-relay module
301C	Gas detection controller

RELATED PRODUCTS

301EM	Gas detection expansion module
GDN Series	Network compatible gas detector

ACCESSORIES

691-K0A	Control transformer, 120:24 VAC, 40 VA, Class 2
DCP-1.5-W	Power supply, 24 VAC IN to 24 VDC OUT
DCPA-1.2	Power supply, 120 VAC IN to 24 VAC/24 VDC OUT