



## 4, 8 & 16-Channel Gas Detection Control Panel



- Large display
- User friendly
- Functional inputs & outputs
- Modular design

- Multi-channel capability (4, 8 & 16)
- Proudly Australian

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## 4, 8 & 16-Channel Gas Detection Control Panel



**The Kingfisher Control panel is a versatile & cost-effective gas detection controller for monitoring gases in a wide range of industries: Medical & Research, Universities, Breweries, Wineries & Distilleries and other industrial applications.**

**The Kingfisher control panel has been designed specifically for the gas detection industry.**

### User Friendly

- Large Display (All gases are displayed simultaneously)
- Enables full system check at a glance for easy diagnosis
- 6-buttons for easy use
- Bright LEDs for system status (Power, Fault, Alarm)
- Programming through push-buttons or software
- Menu system is easy to use & configuration can be completed easily
- Functions - from day-to-day operations to calibration can be carried out through the front display

### Functional Inputs & Outputs

- Multi-channel capability (4, 8 or 16 channel)
- Program settings for each individual channel
- Allowance has been made for 2-relays per channel (low & high alarms)
- Easy to program – alarms, channels, relays (voting)
- Inhibiting features for calibration &/or maintenance
- System can be 'stand-alone' or connect to audio-visual alarms, gas solenoids, & PLC/SCADA/BMS Systems

### Economical

- Cost-effective control panel for a wide range of industries & applications

### Secure and robust

- All components housed inside an IP65 enclosure
- ABS (Standard) or metal (optional) enclosures
- Wide operating temperature range



16-Channel unit



4 & 8-Channel unit

# KDF Kingfisher Gas Detection Controller Specifications

Specification		Kingfisher 4C (4-Channels)	Kingfisher 8C (8-Channels)	Kingfisher 16C (16-Channels)
Size	ABS enclosure (Grey)	400mm (H) x 300mm (W) x 130mm (D)	400mm (H) x 300mm (W) x 130mm (D)	480mm (H) x 400mm (W) x 140mm (D)
	Steel Enclosure (Grey RAL7035)	400mm (H) x 300mm (W) x 150mm (D)	400mm (H) x 300mm (W) x 150mm (D)	500mm (H) x 400mm (W) x 200mm (D) or 600mm (H) x 400mm (W) x 200mm (D)
Weight	ABS enclosure	4.85kg	4.95kg	8.45kg
	Steel Enclosure	9.55kg	9.65kg	14.10kg
Enclosure Material		ABS (Standard) or Steel (Optional)	ABS (Standard) or Steel (Optional)	ABS (Standard) or Steel (Optional)
Ingress Protection / Rating	ABS enclosure	All Components are mounted in an IP65 Enclosure	All Components are mounted in an IP65 Enclosure	All Components are mounted in an IP65 Enclosure
	Steel Enclosure	All Components are mounted in an IP65 Enclosure	All Components are mounted in an IP65 Enclosure	All Components are mounted in an IP65 Enclosure
Power	AC Power (Input)	100-240VAC, 50/60Hz, 2.0A	100-240VAC, 50/60Hz, 2.0A	100-240VAC, 50/60Hz, 2.0A (Qty x 2)
	DC Power (Output)	+27.6VDC, 2.25A	+27.6VDC, 2.25A	+27.6VDC, 4.5A (2 x 2.25A)
Battery back-up		2 x 12V / 0.8Ah batteries fitted internally	2 x 12V / 0.8Ah batteries fitted internally	2 x 12V / 1.2Ah batteries fitted internally
Operating Temperature		operating at temperatures from -10°C to +60°C	operating at temperatures from -10°C to +60°C	operating at temperatures from -10°C to +60°C
Humidity		5 to 95% non-condensing	5 to 95% non-condensing	5 to 95% non-condensing
Panel Indication	Display	LCD Dot Matrix Display (160 x 128 Dots) FSTN Positive, White. Backlit upon button press	LCD Dot Matrix Display (160 x 128 Dots) FSTN Positive, White. Backlit upon button press	Two - LCD Dot Matrix Display (160 x 128 Dots) FSTN Positive, White. Backlit upon button press
	Measurement Units	%LEL, ppm, %VOL	%LEL, ppm, %VOL	%LEL, ppm, %VOL
	Power	Green LED	Green LED	Green LED
	Fault	Amber LED	Amber LED	Amber LED
	Alarm	Red LED	Red LED	Red LED
Controls Buttons	Keypad (6-Buttons)	Exit/Reset, Enter, Up, Down, Left & Right	Exit/Reset, Enter, Up, Down, Left & Right	Two keypads - Exit/Reset, Enter, Up, Down, Left & Right
Warm-up time		3-minutes (180 seconds)	3-minutes (180 seconds)	3-minutes (180 seconds)
Inputs	Gas Detectors	Four 2 or 3-wire 4-20mA gas detectors	Eight 2 or 3-wire 4-20mA gas detectors	Sixteen 2 or 3-wire 4-20mA gas detectors (Note - The 16C is 2 x 8-ch. controllers in the same enclosure)
Outputs (Relays)	Relays can be set as energized or de-energised, latching or non-latching, latching acceptable	Relays (Qty x 9)	Relays (Qty x 17)	Relays (Qty x 34) (Note - The 16C is 2 x 8-ch. controllers in the same enclosure - so 2 x 17-relays)
Serial Communications	For monitoring via PLC/SCADA/BMS/BAS systems	RS485 isolated 8-bit (ASCII or Modbus RTU)	RS485 isolated 8-bit (ASCII or Modbus RTU)	RS485 isolated 8-bit (ASCII or Modbus RTU)

#### Please Note:

- Standard Enclosure is ABS. Optional Enclosure is Steel
- Enclosure sizes & Materials may vary depending on availability from suppliers, as well as customer site specific requirements.
- Back-up batteries are standard in each control panel. Capacity may change according to availability from suppliers. Ask for options requiring greater capacity / run-time.

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K. D. Fisher & Co. Pty Ltd

Head office 18 Benjamin Street, St Marys SA 5042, T +61 8 8277 3288  
T 1300 533 474, E kdf@kdfisher.com.au

kdfisher.com.au

