



The Xtralis Class C (XCC) detector is specifically designed to provide a convenient solution for meeting the requirements for a normal sensitivity EN 54-20 Class C aspirating smoke detector (ASD).

The XCC offers cost effective normal sensitivity aspirating detection making it ideal where an ASD is needed to overcome the limitations of point detectors. The XCC provides support for flexible ASD pipe network designs to meet the needs of a wide range of environments. When smoke is difficult to detect due to high ceilings and other factors, XCC's active sampling provides reliable protection. Maintenance access difficulties can be avoided by positioning the detector at ground level or outside the protected area. Discreet capillary air sampling provides unobtrusive detection where 'invisible' protection is required. In dirty environments, the XCC helps to reduce nuisance alarms through discrimination between dirt and smoke. In addition, its clean air barrier protects the detection chamber optics for reduced maintenance and longer detector life.

The XCC detector is offered in two variants; XCC-010 can cover up to 800 m<sup>2</sup> and supports up to 12 holes, while XCC-011 can cover up to 1600 m<sup>2</sup> and supports up to 18 holes. Each hole is designed to meet EN 54-20 Class C requirements and can be used in place of normal point detection with total confidence.

The XCC provides two levels of alarm for reliable indication of fire to assure life safety and/or asset protection for your business, using a simple interface to fire alarm control panels and monitoring systems via relays.

Where there is a requirement for enhanced detection or very early warning, or where advanced capability and features are required, another Xtralis product (approved as Class A and/or Class B) should be specified.

### Features

- Protect areas up to 1600 m<sup>2</sup> (16000 sq.ft)
- EN 54-20 Class C compliant
- Absolute smoke detection
- Clean air barrier for optics protection
- Single pipe inlet
- Two alarm thresholds: Pre-Alarm and Fire-Alarm
- Configuration and maintenance via Xtralis VSC software
- Accurate airflow monitoring
- Simple mounting design
- Three relays (Fire-Alarm, Pre-Alarm, Fault)
- Relays configurable as latching or non-latching

### Listings/Approvals

- LPCB
- VdS
- CE - EMC and CPD
- EN 54-20
  - XCC-010
    - Class C - 12 Holes / Threshold I
  - XCC-011
    - Class C - 18 Holes / Threshold I

Regional approvals listings and regulatory compliances vary between Xtralis product models. Refer to [www.xtralis.com](http://www.xtralis.com) for the latest product approvals matrix.

### Specifications

**Supply voltage:** 18 to 30 VDC

**Power consumption:**

XCC-010: 5.4 W quiescent, 5.9 W in alarm  
XCC-011: 5.7 W quiescent, 6.2 W in alarm

**Current consumption:**

XCC-010: 225 mA quiescent, 245 mA in alarm  
XCC-011: 235 mA quiescent, 255 mA in alarm

**Fuse rating:** 1.6 A

**Dimensions (WHD):** 225 mm x 225 mm x 85 mm (8 7/8" x 8 7/8" x 3 3/8")

**Weight:** 1.9 kg (4.2 lb)

**Operating conditions:**

Tested to -10 °C to 55 °C (14 °F to 131 °F)  
Recommended Detector Ambient: -10 °C to 39 °C (14 °F to 103 °F)  
Sampled Air: -20 °C to 60 °C (-4 °F to 140 °F)  
Humidity: 10% to 95% RH, non-condensing

**Sampling network:**

XCC-010:  
Maximum area of Coverage 800 m<sup>2</sup> (8000 sq.ft)  
Maximum pipe lengths: 1 x 80 m (12 holes), 2 x 50 m (12 holes)  
XCC-011:  
Maximum area of Coverage 1600 m<sup>2</sup> (16000 sq.ft)  
Maximum pipe lengths: 1 x 110 m (18 holes), 2 x 80 m (18 holes)

Supported by pre-engineered Pipe Networks in Product Guide

**Pipe:**

Internal Diameter 21 mm  
External Diameter 25 mm (1")

**Relays:**

3 Relays rated 2 A @ 30 VDC  
Fire-Alarm (NO)  
Pre-Alarm (NO)  
Fault (Maintenance & Isolate) (NC/NO).  
Configurable as latching or non-latching

**IP rating:** IP30

**Cable access:** 4 x 25 mm (1") cable entries

**Cable termination:** Screw Terminal blocks 0.2 to 2.5 mm<sup>2</sup> (30 to 12 AWG)

**Sensitivity:**

4 threshold settings (I-IV) for Class C sensitivity to EN 54-20 on pre-engineered pipe network designs.

### Ordering Information

Product	Code
Xtralis Class C: 800 m <sup>2</sup> coverage	XCC-010
Xtralis Class C: 1600 m <sup>2</sup> coverage	XCC-011

**Notes:**

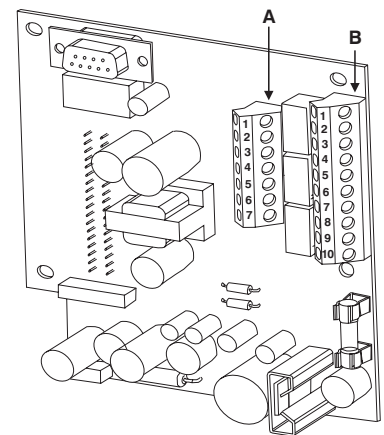
1. Not all of the above products are available in all regions. Consult your local distributor or Xtralis office for more information.

### Display:



### XCC Termination Card

Terminal A	Terminal B
1 FIRE-ALARM (NO)	1 Bias (-) (GND)
2 FIRE-ALARM (C)	2 Reset (-)
3 PRE-ALARM (NO)	3 Reset (+)
4 PRE-ALARM (C)	4 Bias (+)
5 FAULT (NO)	5 LED (-) (GND)
6 FAULT (C)	6 LED (+)
7 FAULT (NC)	7 Power (-)
	8 Power (+)
	9 Power (-)
	10 Power (+)



www.xtralis.com

The Americas +1 781 740 2223 Asia +852 2916 8876 Australia and New Zealand +61 3 9936 7000  
UK and Europe +44 1442 242 330 Middle East +962 6 588 5622

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