

Context Plus XP95 Analogue Addressable Heat Detector

Product code: 55000-495IMC

IMC-495-DS-1



ADDRESSABLE HEAT DETECTOR (A2S), XPERT STYLE, 55000-495IMC



Context Plus temperature (heat) detectors have a common profile with ionisation and optical smoke detectors but have a low air flow resistance case made of self-extinguishing white polycarbonate. They monitor temperature by using a single thermistor network which provides a voltage output proportional to the external air temperature.

The response to temperature increases of the standard temperature detector (part no: 55000-495IMC) enables the detector to be utilised as an EN54 Grade 2 heat detector.

<http://www.contextplus.co.uk/>

E: contextplus@xportsales.com T: +44 161 257 2541 Fx: +44 161 225 8817

Context Plus Ltd | PROGRESS HOUSE, NEWBY ROAD | HAZEL GROVE
| STOCKPORT | | SK7 5DA | UK

Context Plus XP95 Analogue Addressable Heat Detector

Product code: 55000-495IMC

IMC-495-DS-1



Addressable Heat Detector (A2S)

Part No 55000-485IMC

Specifications are typical and given at 23°C and 50% relative humidity unless stated.

Communication protocol:

XP95 pulse 5-9V

Detector Type: Fixed Temperature Heat Detector (software algorithm may be used for Grade 1 response)

Detector Principle: Linear approximation designed to give 25 counts at 25°C and 55 counts at 90°C

Sensor: Single NTC Thermistor

Sampling Frequency: Continuous

Supply Wiring: Two wire supply, polarity insensitive

Terminal Functions:

L1&L2 supply in and out

connections (polarity insensitive)

+R remote indicator positive connection (internal 2.2kΩ resistance to supply +ve)

-R remote indicator negative connection (internal 2.2kΩ resistance to supply - ve)

Supply Voltage: 17 to 28 Volts dc

Modulation Voltage at Detector: 5 to 9 Volts peak to peak

<http://www.contextplus.co.uk/>

E: contextplus@xportsales.com T: +44 161 257 2541 Fx: +44 161 225 8817
Context Plus Ltd | PROGRESS HOUSE, NEWBY ROAD | HAZEL GROVE
| STOCKPORT | | SK7 5DA | UK

Context Plus XP95 Analogue Addressable Heat Detector

Product code: 55000-495IMC

IMC-495-DS-1



Quiescent Current: 300 μ A
Power-up Surge Current: 1mA
Duration of Power-up Surge Current: 0.3 seconds
Maximum Power-up Time: 4 secs
Storage Temp: -30°C to +80°C
Operating Temp: -20°C to +70°C
Analogue Value at 25°C 25 \pm 5 counts
Alarm Level 55 Counts: 55°C
Alarm Indicator: Red light emitting diode (LED)
Alarm LED Current: 4mA
Remote LED Current: 4mA at 5V (measured across remote load)
Type Code: (210 43) 110 00
Sensitivity: 25°C to 90°C: 17°C/Count. -20°C returns 20 counts
Guaranteed Temp. Range (No condensation or icing): -20°C to +120°C
Humidity (No condensation): 0% to 95% relative humidity
Wind Speed: Unaffected in fixed temperature use
Atmospheric Pressure: Unaffected
Vibration, Impact & Shock: To EN54 Pt 5 (BS5445 Pt 5)
IP Rating: 53

<http://www.contextplus.co.uk/>

E: contextplus@xportsales.com T: +44 161 257 2541 Fx: +44 161 225 8817
Context Plus Ltd | PROGRESS HOUSE, NEWBY ROAD | HAZEL GROVE
| STOCKPORT | | SK7 5DA | UK

Context Plus XP95 Analogue Addressable Heat Detector

Product code: 55000-495IMC

IMC-495-DS-1



Dimensions: (diameter x height)

Detector: 100mm x 39mm

Detector in Base: 100mm x 47mm

Weights: Detector: 100g; Detector
in Base: 157g

Materials: Detector Housing: White
polycarbonate V-0 rated to UL 94;
Terminals: Stainless Steel

DEVICE RESPONSE

Type: Flaming with high heat output

Response: Moderate/good

Type: Flaming - clean burning

Response: Moderate/good

Type: Flaming combustion

Response: Poor

Type: Overheating/thermal combustion

Response: Very poor

Type: Smouldering/glowing combustion

Response: Very poor

<http://www.contextplus.co.uk/>

E: contextplus@xportsales.com T: +44 161 257 2541 Fx: +44 161 225 8817
Context Plus Ltd | PROGRESS HOUSE, NEWBY ROAD | HAZEL GROVE
| STOCKPORT | | SK7 5DA | UK