



# Sensors



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| <b>Temperature &amp; Humidity</b> <div> Part No: IC– HM  </div> <ul style="list-style-type: none"> <li>For use in environments where there is a high level of dust, fumes, steam or smoke under normal conditions.</li> <li>Detects increase in temperature above 60°C</li> <li>Built-in temperature sensor, reports an analogue measurement range from –40°C to +85°C, with accuracy of 10% at 20°C.</li> </ul>                 | <b>Temperature &amp; Door Contact</b> <div> Part No: IC-TS-DC  </div> <ul style="list-style-type: none"> <li>Combined standard temperature and door position sensor, includes 2.5 metre terminated lead with FCC68 connector.</li> </ul>  | <b>Vibration &amp; Shock</b> <div> Part No: IC-INT-V  </div> <ul style="list-style-type: none"> <li>sensor detects shock intensity caused by sudden knocks or continuous vibration due to faulty ball-bearings</li> <li>user-defined profile for customer specific applications and equipment.</li> <li>installed and fixed to a variety of materials</li> <li>LED visually indicates activation.</li> </ul>  | <b>Intrusion/ Movement PIR</b> <div> Part No: IC-INT-P  </div> <ul style="list-style-type: none"> <li>specifically designed for safes, suitable for short range and substantial airflow.</li> <li>will sense entry through the side and front panels with cutters or other means.</li> <li>threshold values can be adjusted centrally allowing adjustments for specific site conditions.</li> </ul>                           |
| <b>Smoke &amp; Temperature</b> <div> Part No: IC-SD  </div> <ul style="list-style-type: none"> <li>Infrared light technology for fast detection temperature measurement can be set with individual low, high, pre-alarm and rate of change</li> <li>Can be linked or independent from the smoke detection.</li> </ul>  | <b>Door Contact</b> <div> Part No: IC-DC  </div> <ul style="list-style-type: none"> <li>Detects the door contact position, includes mini DIN through jack and disc magnet for use with cabinet handles.</li> </ul>  | <b>Power Monitoring</b> <div> Part No: IC– AMP-100  </div> <ul style="list-style-type: none"> <li>Mains clamp provides current measurement incl monitoring of minimum, maximum, rate of change and pre alarm.</li> <li>Can be clamped onto existing power cables</li> <li>Available as 10, 50, 100 and 500 Amp</li> </ul>   | <b>Fan Fail Sensor for Fan Tray</b> <div> Part No: IC-MFT  </div> <ul style="list-style-type: none"> <li>Fixed temperature alarm and fan fail sensor including 2.5metre terminated lead with FCC68 connector</li> </ul>   |
| <b>Light level &amp; Door contact sensor</b> <div> Part No: IC-LS  </div> <ul style="list-style-type: none"> <li>Combined light level and door position sensor, includes 2.5 metre terminated lead with FCC68 connector.</li> </ul>  | <b>i-PDU</b> <div> Part No: IC-PDU-2-16-BK  </div> <ul style="list-style-type: none"> <li>Monitored 12-way PDU with voltage, current, kWh, fuse and manual switch monitoring.</li> <li>12-way PDU has smart start up based on delay and current settings for faster re-starts.</li> <li>Sockets are individually controlled and fused.</li> </ul>   | <b>Fan Speed</b> <div> Part No: IC –FEX  </div> <ul style="list-style-type: none"> <li>3 wire fans and monitors the actual rotation speed of the fan.</li> <li>Alarms can be set for high, low, pre-alarm and change.</li> </ul>  | <b>Dust Particle</b> <div> Part No: IC-DPS  </div> <ul style="list-style-type: none"> <li>Measures the dust particle size and quantity</li> <li>Provides an analogue measurement with low, high, pre and change alarm settings</li> <li>Includes 2.5m terminated lead with FCC68 connector</li> </ul>   |
| <b>Flow &amp; Temperature</b> <div> Part No: IC-LQF  </div> <ul style="list-style-type: none"> <li>Easy to install, adjustable position</li> <li>Accurate measurement</li> <li>Compact interface and transmitter</li> <li>Long life</li> <li>Monitors critical air flow continuously</li> <li>Suitable in a wide range of applications including fan control, air intake measurements, heating / ventilation systems</li> </ul> | <b>Pressure &amp; Temperature</b> <div> Part No: IC-PRT  </div> <ul style="list-style-type: none"> <li>Detects shock intensity caused by sudden knocks or faulty ball-bearings</li> <li>User-defined profile for customer specific applications</li> <li>Plug and play capability.</li> <li>Easily installed and fixed to a variety of materials</li> <li>LEDs visually indicates activation etc</li> </ul> | <b>Enhanced dust particle/ smoke</b> <div> Part No: IC –DPS  </div> <ul style="list-style-type: none"> <li>LED’s on the front of the unit clearly indicate online, fan speed stable, reading and cleaning function.</li> <li>Calibration function allows for specific monitoring of various applications</li> <li>Self-cleaning function, ideal for harsh environments and minimises maintenance.</li> </ul> | <b>8 i/o expander</b> <div> Part No: IC-10-8  </div> <ul style="list-style-type: none"> <li>Allows monitoring of 8 inputs from third party equipment like UPS contacts and 8 relay outputs for control /switching of other equipment.</li> <li>Volt-free, relays are normally open or normally closed.</li> <li>The inputs can be set as normally open, normally closed and with EOL monitoring.</li> </ul>                  |
| <b>Voltage</b> <div> Part No:  </div>  | <b>Mains Present Monitoring</b> <div> Part No: IC-MI  </div> <ul style="list-style-type: none"> <li>Monitors the availability of mains power, includes 2.5 metre terminated lead with FCC68 connector.</li> </ul>   | <b>Alarm interface</b> <div> Part No: IC-AI  </div> <ul style="list-style-type: none"> <li>Automatically arm and disarm alarm systems, based on</li> <li>presence counter—2 inputs and 1 output</li> </ul>  | <b>Flood sensor</b> <div> Part No: IC-FS-FLD  </div> <ul style="list-style-type: none"> <li>Provides early detection of leaks and floods</li> <li>Dual-detection cable to sense water at any point along its five metre length and provides analogue data measurements</li> <li>2 fast blow fuses for electrical safety</li> </ul>  |
| <b>General i/o expander</b> <div> Part No:  </div>   | <b>General i/o Module</b> <div> Part No: IC-IO  </div> <ul style="list-style-type: none"> <li>Provides enhanced control functions for 2 digital inputs and one volt-free relay.</li> <li>Inputs can be linked with IF &gt; THEN statements</li> <li>Can trigger scripts and individual email messages.</li> </ul>   | <b>Dual Feed Power switcher</b> <div> Part No: IC– DFS  </div> <ul style="list-style-type: none"> <li>Dual feed power switch automatically switches power allowing an iBOX to be powered from an iPDU and external power supply to provide redundancy.</li> </ul>   | <b>Beacon Sounder</b> <div> Part No: IC-ASB  </div> <ul style="list-style-type: none"> <li>The beacon and sounder provide local alarms depending on software settings.</li> <li>The front unit has an ear-piercing 100DB with a bright flashing beacon and is normally set for 2 minutes.</li> <li>The back beacon can be set, timed or permanent until the alarm has been acknowledged or can be used remotely.</li> </ul> |
| <b>Temperature</b> <div> Part No: IC-TS  </div>  | <b>i-BOX Environmental Only</b> <div> Part No: IC-I-BOX-E  </div> <ul style="list-style-type: none"> <li>Ethernet control with LAN And WAN support built in temperature, humidity and light sensors with 14 connectors for AX smart sensor</li> </ul>   | <b>General Analogue Interface</b> <div> Part No: IC-GA  </div> <ul style="list-style-type: none"> <li>Universal 0-5 input module for 3rd party environmental sensors, includes 2.5m terminated lead with FCC68 connector</li> </ul>   | <b>Fan Speed &amp; Temperature</b> <div> Part No: IC-FT  </div> <ul style="list-style-type: none"> <li>Combined Fan &amp;Temperature sensor Includes 2.5m terminated lead with FCC68 connector</li> </ul>   |
| <b>i-BOX Access &amp; Exception Monitoring</b> <div> Part No: IC-I-BOX  </div>   | <b>i-BOX A—Access Only</b> <div> Part No:  </div>   | <b>FireTecPro</b> <div> Part No: IC-FEX  </div> <ul style="list-style-type: none"> <li>iBOX interface for FireTecPro fire extinguishing system enables remote monitoring and isolation of the unit.</li> </ul>  | <b>Door/ Panel Position Sensor</b> <div> Part No: IC-INT-DC  </div> <ul style="list-style-type: none"> <li>Detects the position of the side panels or doors, includes 2.5m terminated lead with FCC68 connector and disc magnet for connection to ports 1-14 on iBOX</li> </ul>   |