Air Quality Controllers (AQC)

Restrooms • Lounges • Bowling Alleys • Conference Rooms • Schools
Smoking Rooms • Restaurants • Loading Docks • Fire Stations

AQC-12  120 VAC

AQC-21  12-24 VAC or VDC

- Detects cigarette smoke, VOCs and many other gases.
- UPON ALARM
  AQC closes SPDT relay to a control panel or other device.
- Easy installation, unit mounts flush in a standard 4 x 4 electrical box.
- No maintenance required, sensors have a 7 to 10 year life expectancy.
- Detectors have customer adjustable settings for:
  a) sensitivity of the unit to smoke and gases.
  b) Time of activation of relay closure.
- LED lights show the status of the detector.
- The AQC-12 and AQC-21 both have supervised sensors and will go into alarm condition if there is an internal failure of the unit.
- Automatic operation; units automatically reset after alarm or power outage.
- General purpose detector for cigarette smoke, diesel fumes, VOCs and other hydrocarbons. Primary use is detection of cigarette smoke in non-smoking areas.

Note: These units are not suitable as smoke alarms, fire alarms or carbon monoxide detectors. For detection of a specific gas please consult Macurco for the proper detector.

- Recommended Coverage: 900 sq. feet.
- All units are 100% Gas Tested
  i Solid-State Sensor: Maintenance Free

TUCANO COMÉRCIO DE ALARMES - www.tucanobrasil.com.br
TYPICAL WIRING DIAGRAMS

The AQC-12 provides Automatic Fan Control

The AQC-12 detector will typically control the power to a fan motor that is powered by 120VAC and has a maximum horsepower rating of 1/4 HP.

The AQC-12 will typically be connected to a standard Class A or B alarm control panel, providing a relay closure upon alarm. This system uses the alarm control panel to identify the location of the alarm.

Multiple AQC-21 low voltage detectors

Provide 2 VA of power for each AQC-21

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>AQC-12</th>
<th>AQC-21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power:</td>
<td>120 VAC</td>
<td>12-24 VAC or VDC</td>
</tr>
<tr>
<td>Size:</td>
<td>4.5 x 4.5 x 1.75 inches</td>
<td>4.5 x 4.5 x 1.75 inches</td>
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<tr>
<td>Mounting Box:</td>
<td>standard 4 x 4 elec. box</td>
<td>standard 4 x 4 elec. box</td>
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<td>Relay:</td>
<td>5 amp SPDT @ 120VAC</td>
<td>5 amp SPDT @ 120VAC</td>
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<tr>
<td>Sensitivity:</td>
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<td>Time Adjustment:</td>
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