

Product Overview

The Axio AX-CDM is a self contained sensor for detecting the onset of condensation. The main application is early detection of condensation in chilled-beam air conditioning systems to prevent 'indoor rain'. The AX-CDM is installed on the coldest part of the cooling system using the supplied cable tie. The unit can be used in a 2-wire current output mode, or alternatively with the volt free change over contacts.

Products Features

- Early detection of the onset of condensation
- Current output or volt-free changeover outputs
- Easily installed with the supplied cable tie
- 24Vac/dc powered

Product Specifications

Supply Voltage:		16-30Vdc or 24Vac \pm 10% at 50mA maximum
Output:	2 wire mode	Dry < 12mA, Wet >18mA
	4 wire mode	
Connections:		5m flying lead
Ambient Temperature Range:		0°C to 50°C
Dimensions & Weight:		90(W) x 45(H) x 32(D)mm, 120grams
Country of origin:		UK

Product Order Codes

AX-CDM Condensation Detector Module - 5m Lead

Installation

The AX-CMD should be installed by a suitably qualified technician in conjunction with any guidelines for the equipment it is to be connected to. Field wiring should be installed to satisfy the requirements set out by the manufacturer of the equipment that the module is being connected to.

The unit should be mounted on a pipe using a cable tie (supplied with unit). It is highly recommended that the unit be mounted with the hole facing downwards to prevent matter falling in. Where the unit is mounted on a pipe, the long axis of the unit must be along the length of the pipe. The unit should be mounted close to the coldest part of the pipe or surface being monitored. These units are intended to detect the onset of condensation and although water resistant, should not be allowed to fill up with water for long periods of time.

Connections

VFC Mode

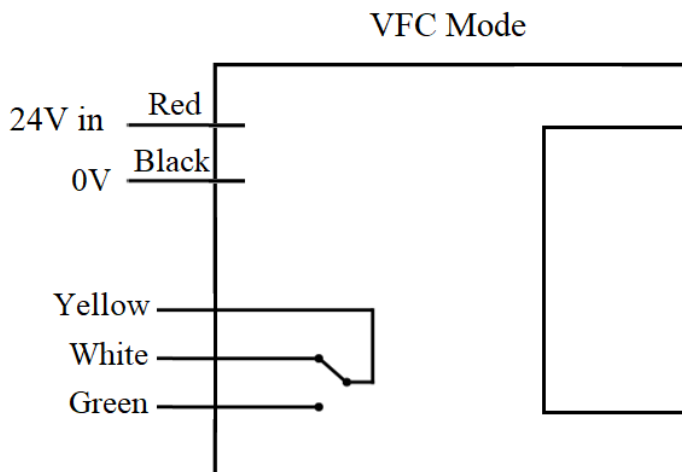
Red +24Vac/dc

Black 0V

Yellow Relay Common

White Normally Closed (Open when wet)

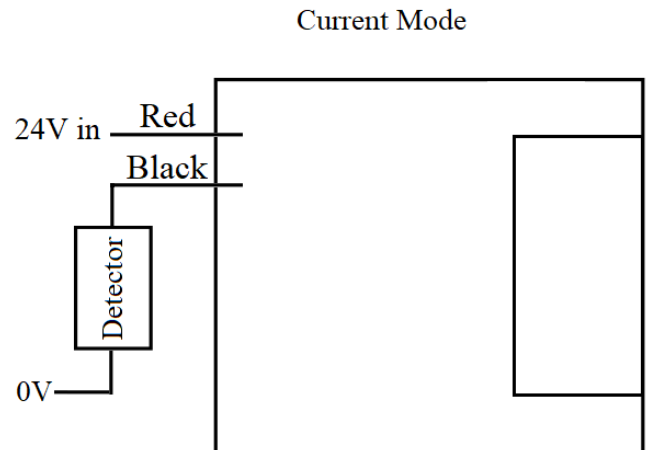
Green Normally Open (Closed when wet)



Current Mode

Red 24Vdc

Black Current Output



<12mA Dry

>18mA Wet

Cleaning

If it is suspected that dirt on the sensing element is affecting performance, swab with a tissue soaked in water and then wipe with a tissue dampened with isopropanol. If necessary, a stiff brush may be used to remove dirt. Ensure that the whole of the sensing element is clean; conductive dirt in a small area will prevent operation.

Datasheet Contents

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