ENGINEERING
TOMORROW

Installation Guide

OAB-1
Office Alarm Box

Identification

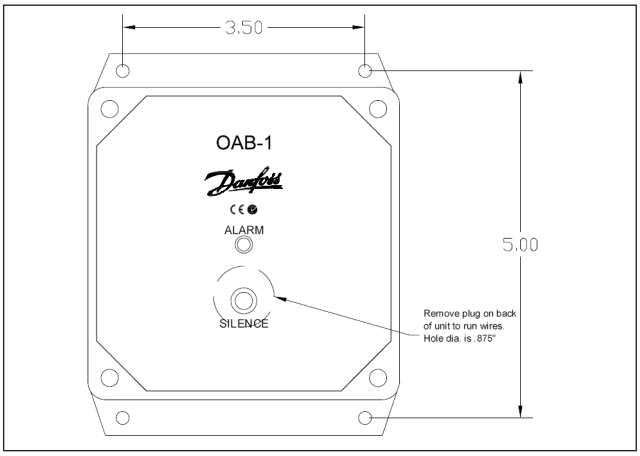
The OAB-1 Office Alarm Box provides an audible and visible signal when an alarm is generated by your Danfoss environment control system. When an alarm occurs, the red LED on the OAB-1 turns on and a pulsing beep is sounded. A momentary contact switch mounted on the OAB-1 acts to silence the alarm but the red LED remains lit as long as the alarm condition persists.
The OAB-1 is compatible with all Danfoss AK255 controllers as well as legacy controllers (AKC55, NC-25).

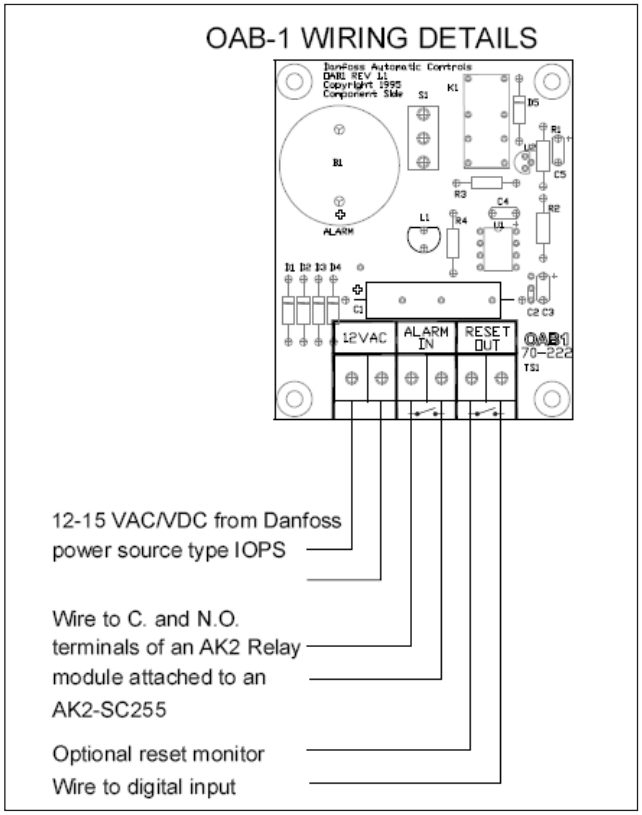
Specifications

Size:	4 ¾" x 4 ¾" x 1⅞" Standard wiremold enclosure
Cable :	Requires 6 conductor #18 THNN to controller
Power requirements:	12 VAC @ 500 miliamps supplied by the controller Dry contact rating: 15A (125/250/277)
Operating environment:	Ambient Temperaature: -5°F to 160°F (-20°C to 70°C) Humidity: 0% to 95 % RH, non-condensing

Installation and Inspection

Typically, the OAB-1 is mounted in a manager's office or at the sales floor courtesy desk. It is not a node on the I/O network; it is activated by and must be wired to an available relay point on the relay output module.
To connect the OAB-1 to your Danfoss environmental control system, use #18 AWG stranded wire from the two screw terminals labeled "Alarm In' to the NO and C terminals of an available relay output on the relay module.
Connect 12 VAC from a Danfoss power supply to the designated terminal strip on the board inside the OAB as shown at the left bottom in the wiring diagram.





Ordering

Description	Part #:
Office Alarm Box PC Board w/ audio, LED signal & reset	OAB-1

Danfoss Inc.
ELECTRONIC DIVISION
Baltimore, MD

The Product contains electrical components
And may not be disposed together with domestic waste.
Equipment must be separate collected with Electrical and Electronic waste. According to Local and currently valid legislation.