Service Guide

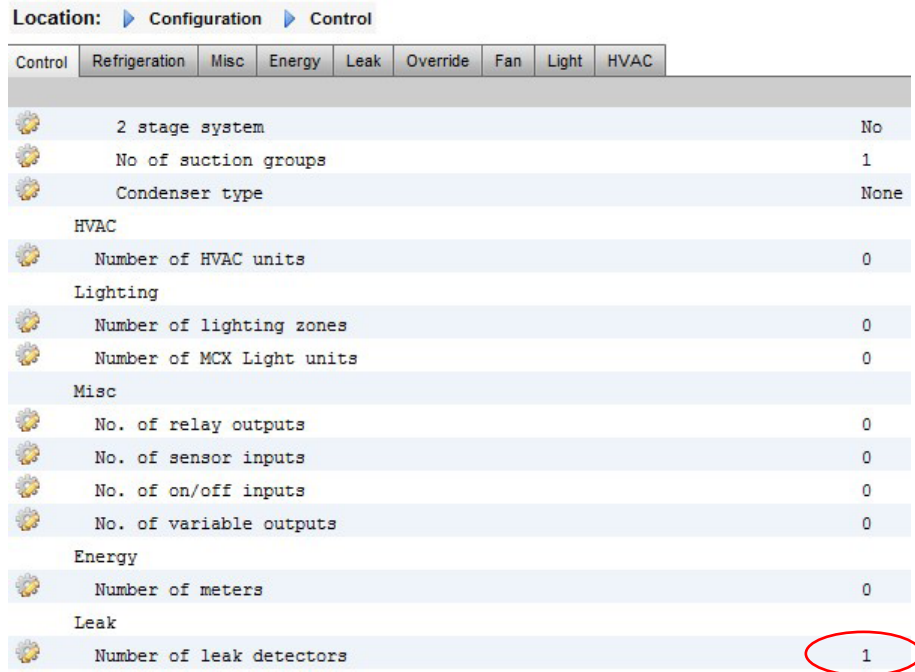# Setup for HGM Leak Detector with Alarm and Strobe
AK-SM 800

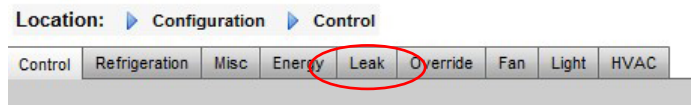ADAP-KOOL® Refrigeration Control System

1. From the Configuration tab, select the Control subtab.

2. From the Control tab, set the number of leak detectors as the desired number between 1 and 50.

3. Navigate to the Leak tab.

4. Set the Leak Type to HGM as desired

5. Navigate to the Setup Tab

6. From the dropdown box, select the Leak Detector you wish to setup. Choose the Refrigerant, Full scale value, and enable each zone sensor that will be used.

7. Navigate to the addresses tab.

8. Go to the Sensors tab and address as desired.

9. Navigate back to the Configuration -> Control -> Leak -> Alarms tab to enable alarms for each zone sensor if desired.

Location: ▶ Configuration ▶ Control ▶ Leak	

| Type | Setup | Addresses | Alarms |

Leak 1 ▼ **Alarms**

⚙	HGM Zone Fail: Leak 1:Zone 1 02-1.2	Critical
⚙	Limit	500
⚙	Delay	15
⚙	Units	min
⚙	Action	1
⚙	HGM Zone Fail: Leak 1:Zone 2 02-1.2	Disabled
⚙	HGM Zone Fail: Leak 1:Zone 3 02-1.2	Disabled
⚙	HGM Zone Fail: Leak 1:Zone 4 02-1.2	Disabled
⚙	HGM Zone Fail: Leak 1:Zone 5 02-1.2	Disabled

10. Navigate to the Configuration -> Control -> Refrigeration -> Circuits -> Setup tab. Choose the leak detector you wish to associate from the "Monitor leak detector" box. Choose the desired zone. Enable "Generate horn relay" and "Generate strobe relay" to "Yes" as desired. PPM triggers are configured here as well.

Location: ▶ Configuration ▶ Control ▶ Refrigeration ▶ Circuits	

| Type | Setup | Alarms | Copy |

Circuit AA1 ▼ **Setup**

⚙	Temperature control	Solenoid
⚙	Controlling sensor	Min Temp
⚙	Target	35.0 °F
⚙	Range +/-	2.0 °F
⚙	Dual temp control	No
⚙	Type of defrost	None
⚙	Antisweat control	No
⚙	Generate shutdown input	No
⚙	Num of shutdn schedules	0
⚙	Monitor leak detector	Leak 1
⚙	Zone	3
⚙	Shutdown on leak	No
⚙	Generate horn relay	Yes
⚙	Cutin	3000 ppm
⚙	Cutout	2900 ppm
⚙	Generate strobe relay	Yes
⚙	Cutin	1000 ppm
⚙	Cutout	900 ppm

11. Navigate to the Configuration -> Control -> Refrigeration -> Addresses tab and go to the relay subtab to address the horn and strobe as desired.

Location: ▶ Configuration ▶ Control ▶ Refrigeration ▶ Addresses	

| Controllers | Relays | Sensors | On/Off Inputs | Variable Outputs | VLT |

Rack (A) ▼ **Relays**

⚙	Sort by	Address
⚙	Horn 1-1	Horn 1-1
⚙	Address	02-1.1
⚙	Type	N-Open
⚙	Strobe 1-1	Strobe 1-1
⚙	Address	02-1.2
⚙	Type	N-Open