

The KMC SLE-1001 First Watch Monitor detects problems with critical refrigerant conditions long before visual observation can spot trouble. When mounted on an approved sight-glass window, this easy-to-install optical sensor detects the following refrigerant conditions:

- ◆ Moisture content
- ◆ Flash gas content (bubbles of non-condensed refrigerant)

By combining an SLE-1001 with a KMC digital facilities management system you can also

- ◆ Remotely monitor systems in difficult to reach locations.
- ◆ Record the actual condition of the refrigerant.
- ◆ Initiate alarms to alert personnel to possible trouble areas.

The SLE-1001 First Watch Refrigeration monitor is designed for use with Sporlan Valve Company's See•All Combination Moisture and Liquid Indicators or equivalent. First Watch is an ideal way to monitor critical areas that do not meet ANSI/ASHRAE Standard 15-1994.

Output Signal

<i>Flash gas</i>	0-5 volts DC, 100 kΩ load impedance
<i>Moisture</i>	0-5 volts DC, 100 kΩ load impedance

Indicators

<i>Flash gas</i>	Flashing red LED. Flashing rate is proportional to concentration of bubbles
<i>Moisture</i>	Yellow LED. LED brightness is proportional to presence of moisture.

Connections

10 foot, four-conductor, 22 AWG cable

Power Supply

24 volt AC (+20,-15%) 1.5 VA, 50-60 Hz



Environmental Protection Agency

Electronic Technology Verified. Information on the performance characteristics of First Watch Monitor technology can be found at www.epa.gov/etv, or call KMC Controls at (574) 831-5250 for a copy of the ETV verification report. Use of the ETV® Name or Logo does not imply approval or certification of this product nor does it make any explicit or implied warranties or guarantees as to product performance.

Accessories

IEI-1110

RAM-1, Refrigerant Alarm Monitor

Power transformer

- XEE-6111-40, single-hub
120 volt transformer
- XEE-6112-40, dual-hub
120 volt transformer

SLE-1101

Refrigeration Alarm Monitoring Kit. Includes SLE-1001, IEI-1110, and 40 VA transformer.

Environmental Limits

<i>Operating</i>	-20 to 140° F (-29 to 60°C)
<i>Shipping</i>	-40 to 140°F (-40 to 60°C)
<i>Humidity</i>	0-95% relative humidity (non-condensing)

