



Trusted
radiation
protection.

944-17/18, 948A, and 958A Remote Alarm/Indicators

Remote alarms are available for area and process monitors to provide a visual/audible indication of a high alarm state. Remote alarm units are also available with an analog meter scale that indicate in the range of 0 to 10^7 CPM or various mR/h ranges.

Models available

- Models 944-17/18
- Model 948A-5
- Models 948A-40/50
- Models 958A-10/20/30 and
- Model 958A-40

Model 944-17/18

Remote alarm 944-17 and indicator 944-18 provide a visual/audible indication of a high alarm state for area and process monitors. Remote indicator 944-18 also contains an analog meter scale which indicates in the range of 0 to 10^7 CPM.

The remote alarm and indicator will interface to the 942A Universal Digital Ratemeter (UDR) and a 943 Series scintillation detector. The alarm can be located up to 1500 feet from the UDR.



Key features

- Local audio/visual alarm indicator
- For use with the 960 Series and all Universal Digital Ratemeters
- Compatible version available for all area and process monitors
- Easy to read visual indicators
- Informs personnel to any change in radiological condition
- Analog meter



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Technical specifications

Power requirements

120 V ac, 50/60 Hz, 1 phase

Contact ratings for auxiliary alarm

5 A @ 120 V ac

Field cable

Model number 50-100

Maximum field cable length

1500 ft (457 m)

Environmental

- Operating temperature: 32 °F to 122 °F (0° to 50°C)
- Storage temperature: 32 °F to 132 °F (0° to 56°C)
- Relative humidity: 0 to 95 %, non-condensing

Housing material

Carbon steel

Dimensions (*w x d x h*)

8 in x 4 in x 10.25 in
(20.3 cm x 10.2 cm x 26 cm)

Weight

8 lb (3.6 kg)

Model 948A-5

The 948A-5 is a Remote Alarm/Indicator. It continuously indicates the level of radiation at the detector site and provides both audible and visual indications of a high radiation level.

The remote alarm/indicator is an optional component of the 945A area monitoring system. A typical area monitoring system consists of the following instruments: a 977 Series Wide Range Ion Chamber Detector, a 946A Universal Digital Ratemeter and a 948A-5 Remote Alarm/Indicator.

The remote alarm/indicator has a horn, light, and analog meter mounted on the front panel. The indicator continuously indicates the level of radioactivity measured at the detector site. The scale is calibrated from 0.1 to 107 mR/h. The horn and light actuate when the radiation level at the detector site exceeds the high alarm set point of the ratemeter. The 948A-5 Remote Alarm/Indicator also contains two terminal blocks for field wiring connections.

Technical specifications

Power requirements

12 V dc for horn and light and 0 to 10 V dc for meter (supplied by the detector preamplifier)

Field cable

Model number 50-150

Maximum field cable length

1500 ft (457 m)

Environmental

- Operating temperature: 32 °F to 122 °F (0 to 50 °C)
- Storage temperature: 32 °F to 122°F (0 to 50 °C)
- Relative humidity: 0 to 95 %, non-condensing

Dimensions (*w x d x h*)

8 in x 4 in x 10.25 in
(20.3 cm x 20.2 cm x 26 cm)

Weight

8 lb (3.6 kg)

Model 948A-40/50

The 948A-50 Remote Alarm/Indicator continuously indicates the level of radiation at the detector site and provides a visual and audible indication of a high radiation level on an analog meter, light, and Sonalert. The meter of the remote alarm/meter is an analog meter scale which indicates in the range of 0.1 to 107 mR/h. The light and Sonalert are actuated when the radiation level exceeds the high alarm set point of the Universal Digital Ratemeter (UDR). Both models have a momentary pushbutton to silence the Sonalert. The 948A-40 and 948A-50 enclosures are steel. The 948A-40 is identical with the exception that it has no analog meter.

The remote alarm/indicator is an optional component of the 945A Wide Range Ion Chamber Area Monitor. A typical wide range area monitor consists of the following instruments: a 977 Series Wide Range Ion Chamber Detector, a 946A Universal Digital Ratemeter and a 948A-50 Remote Alarm/Indicator or 948A-40 Remote Alarm.

Technical specifications

Power requirements

12 V dc for the Sonalert, relay, and light 0 to 10 V dc for the meter of the 948A-50 (supplied by the detector preamplifier)

Field cable

Model number 50-150

Maximum field cable length

1500 ft (457 m)

Environmental

- Operating temperature:
32 °F to 122 °F (0 °C to 50 °C)
- Storage temperature:
32 °F to 122 °F (0 °C to 50 °C)
- Relative humidity:
0 to 95 %, non-condensing

Housing material

Carbon Steel

Dimensions (*w x d x h*)

8 in x 4 in x 10.25 in
(20.3 cm x 10.2 cm x 26 cm)

Weight

8 lb (3.6 kg)

Model 958A-10/20/30 and Model 958A-40

The 958A-10/20/30 Remote Alarm/Indicator continuously indicate the level of radiation at the detector site and provide a visual and audible indication of a high radiation level on an analog meter, light, and Sonalert. The meter of the Remote Alarm/Indicator is an analog meter scale which indicates in the range of 0.01 to 103 mR/h for the 958A-10, 0.1 to 104 mR/h for the 958A-20, and 1 to 105 mR/h for the 958A-30. The 958A-40 Remote Alarm provides only an audible/visual indication of a high alarm state. The light and Sonalert are actuated when the radiation level exceeds the high alarm set point of the Universal Digital Ratemeter (UDR). All models have a momentary pushbutton to silence the Sonalert.

The remote alarm/indicator is an optional component of the 955A GM Area Monitor. A typical GM area monitor consists of the following instruments: a 897A Series GM Detector, a 956A Universal Digital Ratemeter and a 958A Remote Alarm/Indicator.

Technical specifications

Power requirements

120 V ac, 50/60 Hz, 1 phase

Range

- Low, 0.01 to 103 mR/h Model 958A-10
- Medium, 0.1 to 104 mR/h Model 958A-20
- High, 1 to 105 mR/h Model 958A-30

Meter input

0 to 50 μ A

Field cable

Model number 50-150

Maximum field cable length

1500 ft (457 m)

Environmental

- Operating temperature:
32 °F to 122 °F (0 to 50 °C)
- Storage temperature:
32 °F to 122 °F (0 to 50 °C)
- Relative humidity:
0 to 95 %, non-condensing

Housing material

Carbon steel

Dimensions (*w x d x h*)

6.25 in x 4 in x 6.25 in
(15.9 cm x 10.2 cm x 15.9 cm)

Weight

4 lb (1.8 kg)

Ordering information

Model

944-17: Remote Alarm

944-18: Indicator

948A-5: Remote Alarm/Indicator

948A-40: Remote Alarm

948A-50: Remote Alarm/Indicator



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