

M21 REMOTE SENSING CHEMICAL AGENT AUTOMATIC ALARM
(RSCAAL)
HOT WEATHER/DESERT OPERATION

This abbreviated checklist is not to be used as a replacement for the -10 series Tech Manuals or any other PMCS guide.

FM 90-3, DESERT OPERATIONS contains detailed instructions for living and working in the desert. **TM 3-6665-315-10** contains detailed PMCS instructions for proper maintenance and operation.

When operating in unusual operating conditions such as air temperature above 120 degrees F (49 degrees C) and blowing dirt, dust, or sand, do the following:

1. **Operation in air temperature above 120F (49C).** The M21 alarm should not be operated in temperatures above 120F (49C).
2. **Operation in blowing dirt, dust, or sand.** -Prolonged exposure to blowing dirt, dust, or sand will damage the detector window. - Inspect the M21 alarm and clean the detector window often. At the Commander's discretion, close window if conditions become severe.

DETECTOR WINDOW MAINTENANCE

1. Cleaning window with alcohol during operation may cause an alarm. A light coating of dust will not affect operation. Clean this condition before or after, not during operation.
2. If window is dirty, turn off detector and clean. Do not rub window if visible debris such as dirt, mud, etc., are present as this will scratch the window surface and degrade performance.
3. Use a brush to remove all loose bits of dust from window.

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DETECTOR WINDOW MAINTENANCE (continued)

4. Clean window with gauze sponge using water and mild detergent. Allow window to dry thoroughly before proceeding.
5. Wipe window using alcohol pad. Using gauze sponge, wipe in a circular motion or lightly in one direction to dry.