

Product Alert

Date: January 17, 2025

AMETEK / Magnetrol® Pulsar Module R96 – 6GHz Radar Transmitter – Safety Concern

Type of Notification: Unauthorized Product Modification

FM Approvals has been notified by AMETEK / Magnetrol that an incorrect epoxy material has been used in a flameproof joint of the FM Approved Models R96-51XX-3XX and R96-51XX-BXX Radar Transmitters. Customer notifications have been prepared and are being distributed by AMETEK / Magnetrol to all customers who purchased one of the transmitters in question. Attached is the AMETEK / Magnetrol customer notification for your reference.

Company Identity: AMETEK / Magnetrol, 705 Enterprise Street, Aurora, IL 60504

Product Identity: Models R96-511XX-3XX and R96-51XX-BXX

FM Approval Status: FM Approved for Hazardous Locations

Hazard Involved: FM Approvals has been notified by AMETEK / Magnetrol that an incorrect epoxy material has been used in a flameproof joint of the FM Approved Models R96-51XX-3XX and R96-51XX-BXX Radar Transmitters. This incorrect epoxy material could break down over time due to exposure to chemical vapors or flame rendering the enclosure vulnerable to creating an ignition source. This issue effected products shipped between January 13, 2020 and September 17, 2024.

The attached notification from AMETEX / Magnetrol provides direction as to necessary steps if you are in possession of a suspect unit manufactured between January 12, 2020 and September 17, 2024. Please follow the instructions as indicated and reference the list of the serial numbers of affected units.

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Serial Numbers of Affected R96-6GHz Radar Transmitters

822195-01-001	833003-02-003	840906-01-002	856945-01-002
822195-01-002	833126-01-001	840944-01-001	858469-01-001
822195-01-003	833249-01-001	841470-01-001	858969-01-001
822195-01-004	833690-01-001	841753-01-001	861403-01-001
822563-01-001	833690-01-002	841998-01-001	861836-01-001
823556-01-001	833840-01-001	842375-01-001	862910-01-001
823556-01-002	833931-01-001	843290-01-001	863195-01-001
823759-01-001	833951-01-001	843290-01-002	863195-01-002
823759-01-002	834111-01-001	843290-01-003	863195-01-003
824035-01-001	834222-01-001	843501-01-001	863195-01-004
824106-01-001	834318-01-001	843621-01-001	863458-01-001
824389-01-001	835017-01-001	844050-01-001	866194-01-001
824807-01-001	835017-01-002	844616-01-001	867244-01-001
824834-01-001	835036-01-001	844616-01-002	869977-01-001
825087-01-001	835036-01-002	844966-01-001	869977-01-002
825087-01-002	835782-01-001	846331-01-001	870496-01-001
826666-02-001	836356-01-001	847510-01-001	870496-01-002
826666-02-002	836752-01-001	847510-01-001	870496-01-003
827723-01-001	836752-01-002	847510-02-001	870496-01-004
827723-01-002	837100-01-001	847510-02-002	871790-01-001
827723-01-003	837100-01-002	847728-01-001	871790-01-002
827723-01-004	837100-01-003	847900-01-001	872840-01-001
827723-01-005	837100-01-004	850387-01-001	872840-01-002
827723-01-006	837475-01-001	850896-01-001	873924-01-001
827802-01-001	837656-01-001	851929-01-001	876501-01-001
828233-01-001	837656-01-002	851929-01-002	877060-01-001
829016-01-001	837862-01-001	851929-01-003	877885-01-001
829343-01-001	837975-01-001	851929-01-004	880003-01-001
829343-01-002	837975-01-002	852070-01-001	
829457-02-001	837975-01-003	852070-01-002	131555-06-001
829457-02-002	838389-01-001	854028-01-001	132763-01-001
829457-02-003	838546-01-001	854028-01-001	133643-01-001
830034-01-001	838997-01-001	854028-01-002	133643-01-002
830034-01-002	839463-02-001	854158-01-003	133643-01-003
830034-01-003	839463-02-002	854494-01-001	133643-01-004
830995-01-001	839779-01-001	855466-03-001	133643-01-005
831444-01-001	840139-01-001	855466-04-001	133643-01-006
832606-01-001	840440-01-001	856150-01-001	135936-01-001
833003-02-001	840551-01-001	856214-01-001	136949-01-001
833003-02-002	840906-01-001	856945-01-001	138154-02-001



[DATE]

[DISTRIBUTOR/DIRECT ACCOUNT NAME]

[ADDRESS]

[DISTRIBUTOR/DIRECT ACCOUNT CONTACT NAME]

DEVICE NAME: AMETEK / Magnetrol® Pulsar Model R96 - 6GHz Radar transmitter

Our records indicate your company purchased several Magnetrol® brand Model R96 6GHz Radar Transmitters. Two versions of the Model R96 have been certified for explosion proof (XP)/flameproof hazardous locations.

Relevant models are:

- Model R96-51XX-3XX (Explosion Proof – FM & CSA)
- Model R96-51XX-BXX (Flame proof – ATEX/IEC)

The AMETEK LMS quality team has identified an issue with these two models which requires your time and attention.

The epoxy used in the flame path within these models does not match the epoxy identified on the FM/ATEX/IEC explosion-proof/flameproof certificates pertaining to it. It has been discovered that the utilized epoxy is not flame retardant and may burn in the event an ignition source is present. If you are aware that any Model R96 transmitters have been installed in an XP location by you or your customers, it should be removed from service immediately.

Please discard all Model R96 Radar Transmitters in your current inventory for use in XP locations. All Model R96 inventory will be replaced in equal numbers for product with compliant XP rated epoxy.

NOTE: We ask that you send confirmation of the Model R96 disposal to our Technical Support Team at fieldservice.magnetrol@ametek.com.

If the product is not being used in a hazardous location, the unit poses no risk. If the transmitter is in an XP location, the Model R96 6GHz transmitter can be easily removed from the antenna without affecting the process seal, as described in the instructions attached to this letter.

AMETEK LMS will be distributing notices about this situation to all known end users. While we believe we have end user contact data for all affected units (except unsold models), recent sales of the product might not yet have been identified by end users. Accordingly, for any sales of the Model R96 6GHz transmitters where you may have end user data cross referenced to product serial number, please send this information to the AMETEK LMS Technical Support Team at 1-630-969-4000 or go to fieldservice.magnetrol@ametek.com.

When replacement product is delivered, installation instructions will be supplied. Current expectations are that replacement transmitters for all known product in the field will be available for shipment within the next several weeks. Please contact our Technical Support Team if this timing creates problems.

We apologize for any inconvenience. As a worldwide partner in level instrumentation for nearly 100 years, AMETEK LMS is committed to continue our legacy of honesty, integrity and trust by informing our partners when potential problems arise. Please know that we value your business, and we are committed to providing the highest quality level and flow instrumentation in the industry.

Thank you for allowing AMETEK LMS to serve you now, and in the future.

Respectfully submitted,



Robert J. Botwinski

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Radar/Guided Wave Radar
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