

Technical Information	Date: 24.02.2015 Official: Marier Department.: ST-FIR/MKP3
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Tech. Information No.	1900/A2 / 2015
Subject:	Detector Base w. Relay EU "FAA-MSR420" (ASA procedure - see "actions")

Short Description:	theoretically possible: unreliable relay activation
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Hardware <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Device	<input type="checkbox"/> Module	<input type="checkbox"/> PCBA
Software <input type="checkbox"/>	<input type="checkbox"/> Application	<input type="checkbox"/> Driver / Extension	<input type="checkbox"/> Firmware

Affected Products (details)	CTN	SAP no.	Aff. version	New version
Detector Base w. Relay EU	FAA-MSR420	F.01U.508.658		

Number of delivered devices			
Period of delivery	from: 01 April 2013	to: 19 Jan. 2015	
Affected serial numbers	from:	to:	

Priority Level	Criterion
I <input type="checkbox"/>	The change has to be made immediately (see dates below)
II <input checked="" type="checkbox"/>	The change has to be made during the next inspection.
III <input type="checkbox"/>	Change has to be made, if the error pattern recurs and with new installations.
None <input type="checkbox"/>	General Information (like new tool, new feature, new SW release)

Action Plan	
<input checked="" type="checkbox"/>	Inform customers
<input checked="" type="checkbox"/>	Arrange re-work of stock (NSO)
<input checked="" type="checkbox"/>	Arrange re-work of stock (customer)
<input checked="" type="checkbox"/>	Arrange re-work of installed products
<input checked="" type="checkbox"/>	See detailed actions on following pages

Start Date		Completion Date	
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Error(s) and Effect(s)

The FAA-MSR420 is generally used in combination with door holder systems and remote indicators (MPA).

Due to a possible error in the pcb population process, FAA-MSR420 produced within the above-mentioned delivery period can not ensure reliable relay activation e.g. for the following scenarios:

1. reliable activation of relay during initialization
2. reliable activation of connected remote indicators in the event of a fire alarm
3. reliable activation of connected door holder systems. Doors will not close in the event of a fire alarm.

Although this unreliable behavior was neither reported from the field nor verified under laboratory conditions, the above-mentioned error scenarios can not be ruled out based on our theoretic analysis.

Cause

The cause is a possible error in the pcb population process.

Action(s)

Replace all affected FAA-MSR420 during the next maintenance interval via ASA (with reference to this TI) with new FAA-MSR40 delivered AFTER 01 April 2015.

In addition all FAA-MSR420 on stock must be scrapped.

1. CDC stock
2. CSO and branch-office stock
3. project/client stock

Required Components	Part no.
FAA-MSR420 Detector Base w. Relay	F.01U.508.658

Attachment(s)

BU Manager	Knauel	Clerk in Charge:	Marier
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Distribution

Distribution BU FIR	<input checked="" type="checkbox"/> Celebi Guenay (ST-FIR/QMM), Knauel Thomas (ST-FIR/MKP ST-FIR/MKT), Heckl Michael (ST-FIR/MKP3), Kriegbaum Kurt (ST-FIR/QMM) <input checked="" type="checkbox"/> Angstenberger Josef (ST-FIR/MKR-EU) <input type="checkbox"/> Lim Yong Gang (ST/SRM-AP), Leonard Hew (ST-FIR/MKR-AP), Quek Daniel (ST-CO/MKR2-AP) <input type="checkbox"/> Squarize Alex (ST/SRM-LA), Pinto Erik (ST/STS-LA ST-ASA/SRA-LA), Gundlach Daniel (ST/SRM-NA ST/SBV1-NA) <input type="checkbox"/>
Distribution BU IN	<input type="checkbox"/> Hossmann Daniela (ST-IN/MKR-EU), Kugler Gerhard (ST-IN/MKR2-EU), Endres Dirk (ST-IN/QMM) <input type="checkbox"/> Berberian Alexandra (ST-IN/MKR-SEF), Ferrao Eduardo (ST-IN/MKR-SEI), Karlsson Mathias (ST-IN/MKR-SEN), Tantry Ananth (ST-IN/MKR-SEM) <input type="checkbox"/> Mechler Tom (ST-IN/MKR-NA) <input type="checkbox"/>
Distribution BU ESS	<input type="checkbox"/> Loh Leon (ST-ESS/MKP1.4), Maier Holger (ST-ESS/MKP1.2), Wings Maarten (ST-ESS/MKP1.3), Redeker Bernd (ST-ESS/QMM), Jan von Rosenstiel (ST-ESS/MKP1.1), Reinhard Bloss (ST-ESS/MKP1) <input type="checkbox"/> Funke Thomas (ST-ESS/ENG) <input type="checkbox"/> Nikolas Mangold-Takao (ST-ESS/MKP1), Jaco Liebetrau (ST-ESS/MKT) <input checked="" type="checkbox"/> Markus Brack (ST-ESS/MKP2.3), Huse Istvan (ST/PRM2-EU), Law Jeffrey (ST/PRM1-AP) <input type="checkbox"/> Gary Deng (ST-PRM-CN), James Judson (ST-IN/MKR-NA) <input type="checkbox"/>
Other parties affected	<input type="checkbox"/> Steidle Kurt (ST-ASA/PRM1) <input checked="" type="checkbox"/> Proyer Konrad (ST-ASA/SRA-EU), Schrimpf Felix (ST-ASA/PRM), Wilson Jim (ST-ASA/SRA-AM), Tan Woo Khiang (ST/ASA-AP) <input type="checkbox"/> Pedolzky Georg (ST-BT/PRM1) <input type="checkbox"/> <input type="checkbox"/>