

<b>Technical Information</b>	Date: 10.07.2023 Official: Michael Heckl Department: BT-FIR/MKP3
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<b>Tech. Information No.</b>	2525 / 2023
<b>Subject:</b>	AiO "battery low" information and unintended LSN loop interruption

<b>Short Description:</b>	Misinterpretation of "battery low" message and LSN loop interruption caused by loose screw connections
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<b>Hardware</b> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Device	<input type="checkbox"/> Module	<input type="checkbox"/> PCBA
<b>Software</b> <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
AVENAR all-in-one 4000	FNX-425U-RFRD	F.01U.359.435	All	All
AVENAR all-in-one 4000	FNX-425U-RFWH	F.01U.359.433	All	All
AVENAR all-in-one 4000	FNX-425U-WFRD	F.01U.359.434	All	All
AVENAR all-in-one 4000	FNX-425U-WFWH	F.01U.359.432	All	All

<b>Number of delivered devices</b>		
<b>Period of delivery</b>	from: 06/2023	to:.
<b>Affected serial numbers</b>	from:	to:

Priority Level	Criterion
I <input type="checkbox"/>	The change has to be made <b>immediately</b> (see dates below)
II <input 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 checked="" type="checkbox"/>	General Information (like new tool, new feature, new SW release)

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

<b>Start Date</b>		<b>Completion Date</b>	
<b>New Features:</b>			
none			

<b>Removed features:</b>
none

<b>Solved Issues:</b>
<ol style="list-style-type: none"> <li>1. Unintended loop interruption. See “Notes” for details.</li> <li>2. Misinterpretation of “battery low” fault in early phase after installation. IHB will be updated.</li> </ol>

<b>Notes:</b>
<ol style="list-style-type: none"> <li>1. If the AVENAR all-in-one 4000 is used without a detector, add a wire bridge between terminals b1 and b2 in the detector base (see 5b). If the AVENAR all-in-one 4000 is used with a detector, install without/remove wire bridge. Terminal screws b1 and b2 must be tighten firmly regardless of whether the AVENAR all-in-one 4000 is used with detector on top or with wire bridge (to avoid connection issues, see 5a). Loose screws can cause the LSN ring to be interrupted at any time.</li> </ol> <ol style="list-style-type: none"> <li>2. The AVENAR all-in-one 4000 performs the first battery measurement 10min after startup, then hourly. After an activation the battery measurement is paused for 72 hours, since the battery must recover before a new reliable battery state can be determined. A system restart or a re-initialization of the LSN-loop during this period might cause a misleading “battery low” fault at the panel and can only be reset after this period or by replacing the battery as quick solution.</li> </ol>

Required Components	Part no.
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<b>Attachment(s)</b>
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<b>BU Manager</b> Thomas Knauel	<b>Clerk in Charge:</b> Michael Heckl
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<b>Distribution</b>	
Distribution BU FIR Fire Systems	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Ivan Martinko (BT/QMM-FIR), Gerhard Puechler (BT/QMM-FIR), Andreas Speich (BT-QMM-FIR)</li> <li><input checked="" type="checkbox"/> Thomas Knauel (BT-FIR/MKP BT-FIR/PJ-PG), Kristof Vandenberghe (BT/FIR-MKP1), Bernd Harbers BT-FIR/MKP1)</li> <li><input checked="" type="checkbox"/> Ron Marier (BT-FIR/MKP3 BT-FIR/MKK), Michael Heckl (BT/FIR-MKP3)</li> <li><input checked="" type="checkbox"/> Josef Angstenberger (BT-FIR/MKR-EU), Jakub Bednarz (BT-FIR/MMKR-EU)</li> <li><input checked="" type="checkbox"/> Kah Seong Ong (BT-FIR/SAM-AP BT-FIR/MKR-AP), Leonard Hew (BT-FIR/MKR-AP)</li> <li><input checked="" type="checkbox"/> Renato Lima (BT-FIR/MKR-SLB), James Mottorn (BT/FIR-MKP-AM)</li> </ul>
Other parties affected	<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Felix Schrimpf (BT-ASA/MKP BT-ASA/MKC)</li> <li><input checked="" type="checkbox"/> Konrad Proyer (BT-ASA/MSR-Sab), Andre Dias (BT-ASA/SRA-LA), Jim Wilson (BT-ASA/TCR-Lio), Khiang Tan Woo (BT-ASA/SRA-AP)</li> <li><input checked="" type="checkbox"/> Manjit Gill (BT-ASA/STS2-EU)</li> <li><input checked="" type="checkbox"/> Teleservice Support (SO/OPM8.10Mb)</li> <li><input type="checkbox"/> Holger Behrens (BT-IE/BDP-SF)</li> <li><input type="checkbox"/> Petra Adelman (BT-IE/CTA-CSS1)</li> <li><input checked="" type="checkbox"/> David Ziegler (BT-IE/SPM-SF), Ines Schittenhelm (BT-IE/SPM1-SF), Michiel de Graaf (BT-IE/EAP-NL), Jaap Smit (BT-IE/EAP-NL), Productmanagement-hvl@nl.bosch.com</li> </ul>