

TECHNICAL INSTRUCTION

TI 019
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NETWORK RAIL - SIGNAL ENGINEERING AzLM Axle Counter System Risk-Based Maintenance

Relevant Standard: RT/E/WI/00105

Appendix C of AzLM Axle Counter System Risk-Based Maintenance RT/E/WI/00105 (issue 2) contains some errors. Appendix C is referenced in item 3.7 of the Work Instruction. For the purpose of clarity, an amended appendix is reproduced here.

The Work Instruction will be updated as soon as possible.

APPENDIX C Useful Indications

C.1 Useful Indications

C.1.1 Correct LED indications within EAK30H 'Analogue / Anpassung' card are as follows

LED	Function 1	Function 2	Colour
H1/1	'Off' indicates no wheel / dummy wheel present.	'On' indicates the presence of a wheel / dummy wheel or metallic debris.	Red
H1/2	'Flashing continuously' indicates 'MESSAB1' is in tolerance with 'PEGUE1'.	'Off' indicates 'MESSAB1' and / or 'PEGUE1' are out of tolerance.	Green
H2/1	'Off' indicates no wheel / dummy wheel present.	'On' indicates the presence of a wheel / dummy wheel or metallic debris.	Red
H2/2	'Flashing continuously' indicates 'MESSAB2' is in tolerance with 'PEGUE2'.	'Off' indicates 'MESSAB2' and / or 'PEGUE2' are out of tolerance.	Green
H3/1	'Off' indicates 24V supply is in tolerance.	'On' indicates 24V supply is out of tolerance.	Red
H3/2	'On' indicates 5V supply is in tolerance.	'Off' indicates 5V supply is out of tolerance.	Green

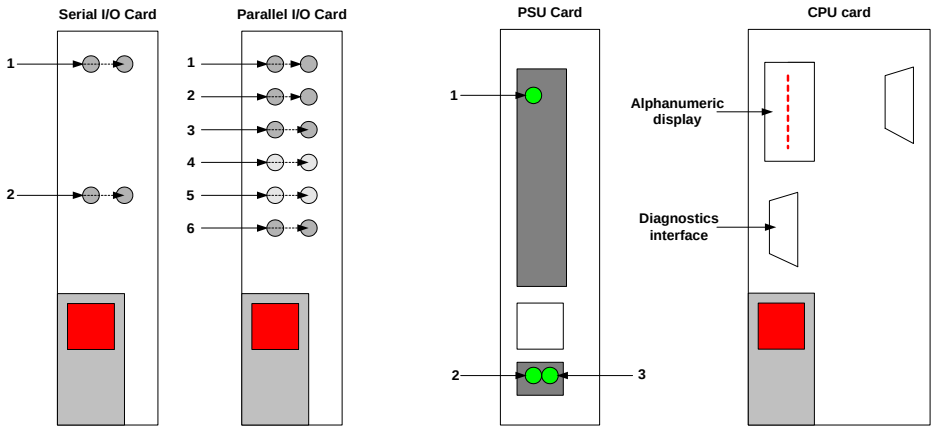
C.1.2 Correct LED indications within EAK30H 'Evaluator / Auswertung' card are as follows:

LED	Function 1	Function 2	Colour
H1/1	'Flashing' indicates that the ISDN MODEM is transmitting.	'Off' indicates that the ISDN MODEM is not transmitting.	Green
H1/2	'Off' indicates CPU1 self-test has been successful.	'On' indicates CPU1 self-test has not been successful.	Green
H2/1	'Flashing' indicates that the ISDN MODEM is transmitting.	'Off' indicates that the ISDN MODEM is not transmitting.	Green
H2/2	'Off' indicates CPU2 self-test has been successful.	'On' indicates CPU2 self-test has not been successful.	Green

C.1.3 Each ACE card should be checked for correct operation as follows:

'Serial I/O / Zp-Vorrechner' cards:

LED	Function 1	Function 2	Colour
1	'On' indicates ISDN link Ok	'Off' indicates ISDN link is down	Yellow
2	'Flashing' if a valid telegram is received	'Off / On' indicates ISDN link down	Yellow

	from detection point		
‘Parallel I/O / Parallele’ cards:			
LED	Function 1	Function 2	Colour
1	‘On’ indicates axle counter reset active.	‘Off’ indicates no axle counter reset active.	Green
2	‘On’ when the second vital input is activated.	‘Off’ when the second vital input is not activated.	Green
3	‘On’ indicates associated section is ‘clear’.	‘Off’ indicates associated section is ‘occupied’.	Green
4	Unused.		
5	‘Flashing’ at 4 second intervals indicates correct polling from detection point.	‘Off / On’ indicates incorrect / no polling from detection point.	Yellow
6	‘On’ when the key switch and button are activated	‘Off’ when the key switch and button are not activated	Green
‘PSU’ cards:			
LED	Function 1	Function 2	Colour
1/2/3	‘On’ indicate ACE voltages all within tolerance.	‘Off’ indicates one or more voltages out of tolerance.	Green
‘CPU’ cards:			
LED	Function 1	Function 2	Colour
CPU	Rotating bar indicates correct CPU activity.	Frozen bar indicates no CPU activity. Carry out ACE reset to rectify	Red
 ACE Rack Indications			
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