问题:如果 SIWAREX FTA 称重模块的报警消息无法在触摸屏上显示怎么办?

1. 如果 HMI 触摸屏连接在网络上(即通过触摸屏进行控制):

在 SIMATIC Manager 中检查触摸屏网络配置。

打开"Configuration":



在硬件组态中,双击 HMI MPI/DP 打开属性窗口:

HW Config - [Operator_1 (Configuration) A31546s]	
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	Eind:
2 3 WinCC Hexible 117	Profile: Standard
5 HMI MPI/DP 5 HMI IE	PROFIBUS DP
	∎- ■ SIMATIC 400 ■ ■ SIMATIC HMI Station
	SIMATIC PC Based Control 300/400
	PROFIBUS-DP slaves for SIMATIC S7, M7, and C7 (distributed rack)
Press F1 to get Help.	Chg //

在属性窗口中,检查网络设置。 HMI 触摸屏必须连接在网络上。

Properties - HMI MPI/D	Ρ	×
General Assignment F	Reserve LSAPs Diagnostics	
Short Description:	HMI MPI/DP	
	Substitute for any PROFIBUS module, S7 connections, DP master, DP slave, PG functions, routing, SIMATIC NET CD 7/2001 SP4	
Order No.:	CP_PB	
<u>N</u> ame:	HMI MPI/DP	
- Interface		
Lype: MP		
Address: 1		
Networked: Yes	Properties	
Comment:		
1		-
OK	Cancel Help	

2. 检查 HMI 触摸屏与 PLC 之间的连接:

在 WinCC flexible 中,检查 HMI 触摸屏与 PLC 之间的连接。 点击 "Connection"选项。

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检查是否创建了 PLC 与触摸屏之间的通信,通信参数设置是否正确:

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3. 报警设置:

- 在 WinCC flexible 中检查报警设置:
- -"S7 Diagnostic Alarms (number)"选项: 勾选。
- -"S7 Diagnostic Alarms (text)"设置: 勾选。
- -"ALARM_S"报警分类": 0-16。
- -"SIMATIC_SFM"设置: On。



4.报警缓冲区属性设置:

首先,找到报警缓冲区消息窗口。

点击"模板",显示层级,用户可以在"Layer1"或"Layer3"中找到报警窗口。

找到报警窗口后,检查其属性设置。

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在报警窗口设置中,勾选"Alarm event"下面的"S7 Alarm":

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5.如果修改了 WinCC flexible 中的项目, PLC 和触摸屏都需要重新上电。

如果修改了 WinCC flexible 中的项目, PLC 和触摸屏都需要重新上电, 仅将 PLC 的模式开 关由 STOP 切换为 RUN 还不行。

6. 如果仍然没有报警,那么需要重新生成 FB1(AlarmS_Handling)的背景数据。

Kad/STL/FBD - [OB1	1 A31546s\SIMATIC 300(1)\CPU 315-2 DP]	
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	Contents Of: 'Environment\Interface'	
- D Interface	Name	_
+	TEMP	•
Network 2 : Alarms	s	<u> </u>
CALL FB	AlarmS Handling	12
Alarm001	:=DW#15#500000F7	
Alarm002	:=DW#16#60000013	
Alarm003	:=DW#16#6000001D	
Alarm004	:=DW#16#6000080	
Alarm005	:=DW#16#60000B7	
Alarm006	:=DW#16#60000112	
Alarm007	:=DW#16#60000031	
Alarm008	:=DW#16#60000D4	
Alarm009	:=DW#16#60000D9	
Alarm010	:=DW#16#600000AA	
AlarmOll	:=DW#16#600000F6	
Alarm012	:=DW#16#600000B0	
Alarm013	:=DW#16#60000C4	
Alarm014	:=DW#16#60000069	
Alarm015	:=DW#16#60000122	
Alarm016	:=DW#16#6000011C	-
N1017	DN#1C#C0000140	
		<u>•</u>
Press F1 to get Help.	🛛 🖓 offline Abs <	: 5.2 //.

然后将 FB1 背景数据块以及调用 FB1 的功能块(如 OB1)下载到 PLC 中。

最后,PLC 和触摸屏需要重新上电。