



ABB i-bus® EIB / KNX

Fault Monitoring Unit SMB/S 1.1



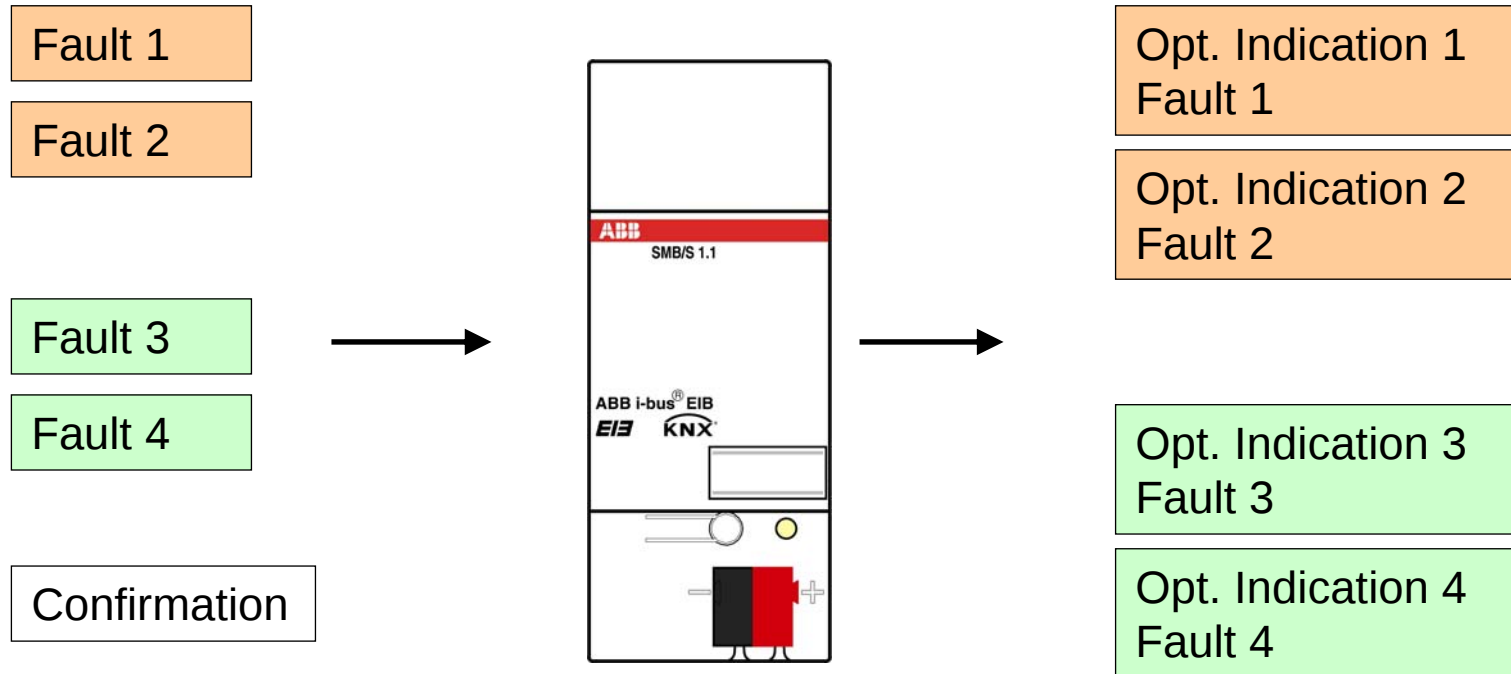
ABB

- Fault Monitoring Unit, 2-fold, MDRC (2 MW)



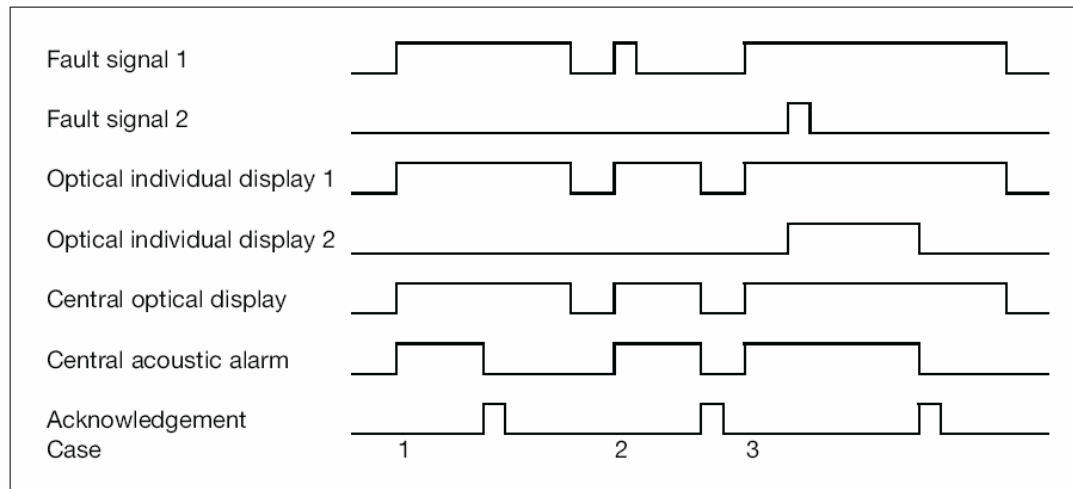
- Programming-button/LED
- Bus connection terminal

- Registration and processing of 100 independent signals to DIN 19 235
- According to DIN
 - Message with steady light
 - New value message with flashing light
 - First value message with confirmation
 - Motor message
- Directly connected by the bus connection terminal with the bus



- A fault will be indicated with steady light

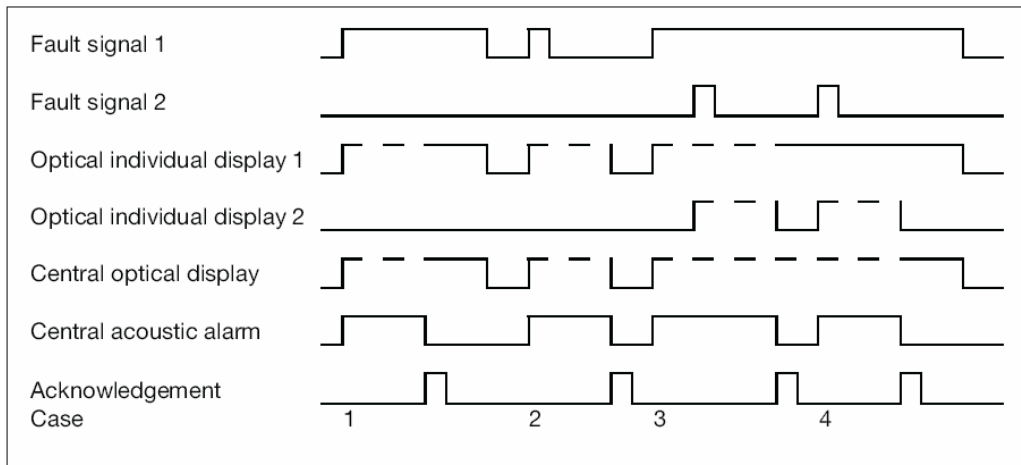
Operating state							
Visual indicator	Display	⊗	●	⊗	●	●	⊗
	Acknowledgement			■		■	
Central signal (e.g. audible signal)	Display	□	■	□	■		□
	Acknowledgement			■		■	



New value message with flashing light SMB/S 1.1

- Every new message will be indicated by a flashing light until it is confirmed

Operating state							
Visual indicator	Display	⊗	⊗	⊗	⊗	⊗	⊗
	Acknowledgement						
Central signal (e.g. audible signal)	Display	◁	◁	◁	◁	◁	◁
	Acknowledgement						

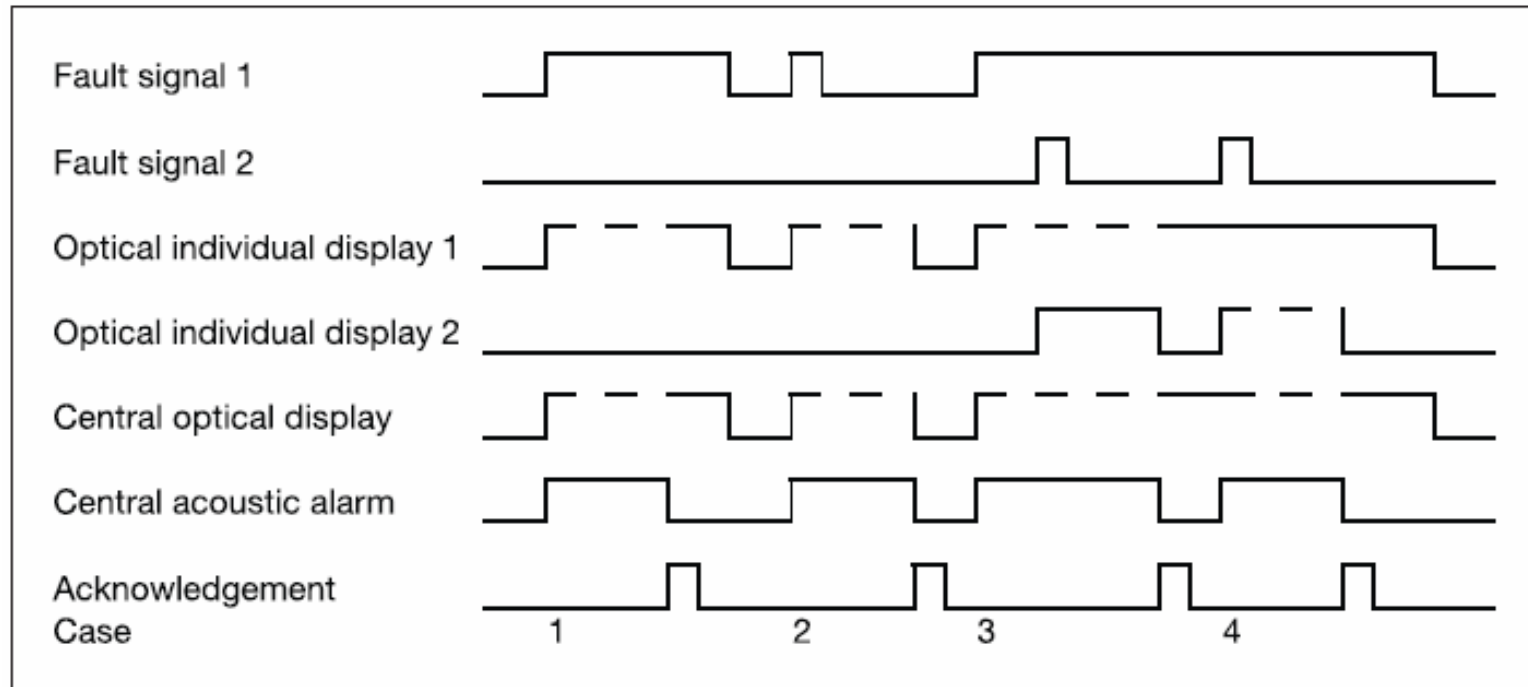


First value message with confirmation SMB/S 1.1

- The first value message is a functional extension of the new value message:
Only the first message (fault) activates a flashing light, the following messages have steady light.

Operating state 1			
Display Visual indicator 1	⊗	⊗	●
Operating state 2			
Display Visual indicator 2	⊗	●	●
Operating state 3			
Display Visual indicator 3	⊗	●	●
Initial value acknowledgement			■
The reporting expiration for the going messages and for the central alarm units corresponds to fig. 2 with single signal light and with double signal light fig. 3			

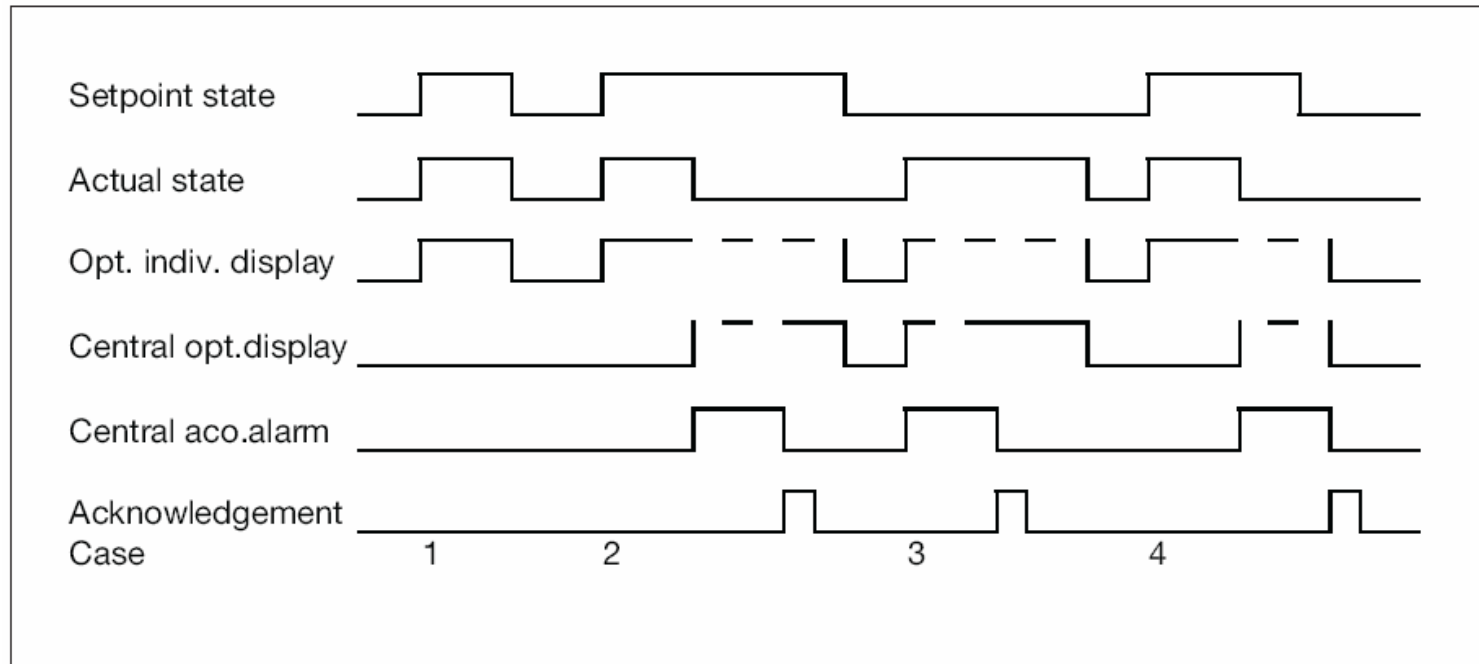
First value message with confirmation SMB/S 1.1



- The motor message indicates by flashing light and acoustical alarm, if the nominal condition (e.g. control of a relay / on) is not in compliance with the current status (e.g. status feedback of load)

Operating state	Setpoint state on					
	Actual state on					
Visual indicator	Display 1)					
	Acknowledgement					
Central signal (e.g. audible signal)	Display					
	Acknowledgement					

1) target of the visual indicators the condition "engine not taxready" announce, flash he after acknowledgement slowly (f1) and expire as soon as the disturbance repaired and thus the engine again taxready is.



- Fault messages will be processed in SMB/S 1.1 and will be sent via bus to an optical indication
- Additionally an optical and acoustical centralized fault indication is available
- Messages can be confirmed
- Loss of data is signaled
- Cyclical monitoring of sensors possible



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