



R-Series V SSI

LED Error Codes

5.2 LED status

The LED on the sensor visualizes the current sensor status. In normal function the LED is continuously green. In other cases the color of the LED changes in the time slot of 0.5 seconds as shown in Fig. 88.

R-Series V SSI LED status				
Time slot 1	Time slot 2	Time slot 3	Time slot 4	Information
GN	GN	GN	GN	Normal function
RD + GN	RD + GN	RD + GN	RD + GN	Magnet status error
BU + GN	BU + GN	BU + GN	BU + GN	Sync status error
RD	Off	RD	Off	Power supply error
BU	Off	BU	Off	Command Mode
GN	RD	BU	Off	Extra magnet
GN	Off	GN	Off	Cycle timeout
GN	BU	RD	Off	Configuration error
BU	GN	RD	Off	Storage error
BU	RD	GN	Off	Internal error
RD	BU	GN	Off	Signal error
RD	GN	BU	Off	Position error
1 x time slot = 0.5 seconds				

Fig. 88: LED status

Error condition	Description	Troubleshooting
Magnet status error	Sensor registers less position magnets than set	Ensure that the number of position magnets on the sensor matches the set number.
Sync status error	Sensor cannot synchronize to the external clock of the control system	Adjust the parameter "Jitter Window". Reduce the clock rate of the polling cycle at the control system. Ensure that the control system operates in synchronous mode.
Power supply error	Power supply of the sensor is out of the allowable range	Set the power supply for the sensor to the allowable range.
Extra magnet	Sensor registers more position magnets than set	Ensure that the number of position magnets on the sensor matches the set number.
Cycle timeout	In synchronous mode, the sensor does not receive the clock for the polling cycle	Ensure that the clock of the control system arrives at the sensor. Ensure that the control system operates in synchronous mode.
Configuration error	Invalid configuration of the sensor	Check the configuration of the sensor. Contact Temposonics.
Storage error	Error in internal data storage	Contact Temposonics.
Internal error	Internal error of the sensor	Contact Temposonics.
Signal error	Internal signal error	Contact Temposonics.
Position error	Error in position measurement	Contact Temposonics.

Fig. 89: Error conditions and troubleshooting



R-Series V Analog

LED Error Codes



5.3 LED status

The LED on the sensor visualizes the current sensor status. In normal function the LED is continuously green. In other cases the color of the LED changes in the time slot of 0.5 seconds as shown in Fig. 80.

R-Series V Analog LED status				
Time slot 1	Time slot 2	Time slot 3	Time slot 4	Information
GN	GN	GN	GN	Normal function
GN	BU	RD	Off	Configuration error
BU	GN	RD	Off	Storage error
BU	RD	GN	Off	Internal error
RD	Off	RD	Off	Power supply error
GN	Off	GN	Off	Magnet outside set points
GN	RD	BU	Off	Extra magnet
RD + GN	RD + GN	RD + GN	RD + GN	Magnet status error
RD	BU	GN	Off	Signal error
BU	Off	BU	Off	Command mode
1 × time slot = 0.5 seconds				

Fig. 80: LED status

Error Condition	Description	Troubleshooting
Configuration Error	Invalid configuration of the sensor	Check the configuration of the sensor. Contact Temposonics.
Storage Error	Error in internal data storage	Contact Temposonics
Internal Error	Internal error of the sensor	Contact Temposonics
Power Supply Error	Power supply of the sensor is out of the allowable range	Set the power supply for the sensor to the allowable range
Magnet out-side set points	Position magnet is not in the range between set point 1 and set point 2	Ensure that the position magnet remains within the defined set point range, or program new set point positions
Extra Magnet	Sensor registers more position magnets than set	Ensure that the number of position magnets on the sensor matches the set number
Magnet Status Error	Sensor registers less position magnets than set	Ensure that the number of position magnets on the sensor matches the set number
Signal Error	Internal signal error	Contact Temposonics
Position Error	Error in position measurement	Contact Temposonics

Fig. 81: Error conditions and troubleshooting



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G-Series V Digital

LED Error Codes

5.2 LED status

The LED on the sensor visualizes the current sensor status. In normal function the LED is continuously green. In other cases the color of the LED changes in the time slot of 0.5 seconds as shown in Fig. 28.

G-Series V Digital LED-Status		
Time slot 1	Time slot 2	Information
GN	GN	Normal function
Off	RD	Storage error
GN	RD	Magnet not detected
Off + GN	RD + GN	Missing (external) interrogation
RD + GN	Off	Command mode
RD + GN	RD + Off	Magnet signal weak
RD + GN	RD + GN	Power supply error
1 × Time slot = 0,5 seconds		

Fig. 28: LED status

Error condition	Description	Troubleshooting
Storage error	Error in internal data storage	Contact Temposonics.
Magnet not detected	No magnet found on the stroke	Ensure that the magnet is placed correctly
Missing (external) interrogation	No interrogation signal received	Check connection to external source
Magnet signal weak	Poor magnet placement on rod/profile	Check magnet placement
Power Supply Error	Power supply of the sensor is out of the allowable range	Set the power supply for the sensor to the allowable range

Fig. 29: Error conditions and troubleshooting



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G-Series V Analog



LED Error Codes

5.2 LED status

The LED on the sensor visualizes the current sensor status. In normal function the LED is continuously green. In other cases the color of the LED changes in the time slot of 0.5 seconds as shown in Fig. 28.

G-Serie V Analog LED-Status		
Time Slot 1	Time Slot 2	Information
GN	GN	Normal Function
GN	Off	Command Mode (Programming Mode)
RD + GN	Off	Power Supply Fault
RD + GN	RD + GN	Magnet Status Error
RD	RD	Internal Error
1 x Time Windows		= 0.5 Seconds

Information	Description	Troubleshooting
Power supply error	The sensor power supply is outside the permissible range.	Adjust the sensor power supply to the permissible range.
Magnetic status error	The sensor does not detect a position magnet.	Ensure that the position magnet is correctly positioned.
Internal error	Internal sensor error.	Contact Temposonics.



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