



# SKF Machine Condition Indicator (MCI)

Vibration and Temperature Sensor and Alarm Indicator

## Reference Card

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### To use the read key to check the MCI's alarm status

Read key action	LED blink sequence change	Number blinks/seconds	Indicating	Notes
1) Apply read key for approximately 3 seconds	If no alarm, until <b>GREEN</b> LEDs blink slowly	1 or 2 blinks every 5 seconds	1 blink indicates the MCI is in threshold alarm mode. 2 blinks indicate the MCI is in % alarm mode.	You may remove the read key after the <b>GREEN</b> / <b>RED</b> blinks begin
	If alarm occurred, until <b>RED</b> LEDs blink in a specific blink pattern, as described in the preceding table	Reference the preceding table for alarm blink patterns. Lasts about 20 seconds.		

### To acknowledge an MCI alarm

Read key action	LED blink sequence change	Number blinks/seconds	Indicating	Notes
1) Apply read key for approximately 35 seconds	Until the LEDs change to solid <b>RED</b>	Solid	Start of alarm acknowledgement	During the 35 seconds, the <b>RED</b> alarm LEDs stop blinking
2) Immediately remove read key	LEDs change to quick <b>RED</b> blinks	1 blink every second		You have 4 seconds to remove read key
3) Immediately reapply the read key	LEDs change to solid <b>RED</b>	Solid. Lasts about 10 seconds.	Procedure is complete	You have 4 seconds to reapply read key. You may remove the read key after LEDs go solid <b>RED</b> .





### To activate the MCI and perform a self-test

Read key action	LED blink sequence change	Number blinks/seconds	Indicating	Notes
1) Apply read key for approximately 15 seconds	Until <b>GREEN</b> LEDs blink very slowly	1 blink every 5 seconds. Lasts about 20 seconds.	MCI is activated	You may remove the read key after the blinks begin

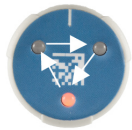
### To switch from threshold alarm mode to percentage alarm mode. After activating and mounting the MCI, with the machine running at its nominal speed and temperature:

Read key action	LED blink sequence change	Number blinks/seconds	Indicating	Notes
1) Apply read key for approximately 20 seconds	Until LEDs change to solid <b>GREEN</b>	Solid	Start of alarm mode change	During the 20 seconds, the MCI is progressing through its activation / alarm status procedure
2) Immediately remove read key	LEDs change to quick <b>GREEN</b> blinks	1 blink every second		You have 4 seconds to remove read key
3) Immediately reapply the read key	LEDs change to slower <b>GREEN</b> blinks	2 blinks every 5 seconds. Lasts about 10 seconds.	MCI is in % mode and is acquiring baseline readings	You have 4 seconds to reapply read key. 2 blinks every 5 seconds indicate % alarm mode is active. You may remove the read key after slower blinks commence.
	LEDs change to faster <b>GREEN</b> blinks	3 blinks every 5 seconds. Lasts about 20 seconds.	Baseline readings are acquired	
	LEDs change to solid <b>GREEN</b>	Solid. Lasts about 10 seconds.	Procedure is complete	

### To change from percentage alarm mode back to threshold alarm mode

Read key action	LED blink sequence change	Number blinks/seconds	Indicating	Notes
1) Apply read key for approximately 20 seconds	Until LEDs change to solid <b>GREEN</b>	Solid	Start of alarm mode change	During the 20 seconds, the MCI is progressing through its activation / alarm status procedure
2) Immediately remove read key	LEDs change to quick <b>GREEN</b> blinks	1 blink every second		You have 4 seconds to remove read key
3) Immediately reapply the read key	LEDs change to very slow <b>GREEN</b> blinks	1 blink every 5 seconds. Lasts about 10 second.	MCI is in threshold mode	You have 4 seconds to reapply read key. 1 blink every 5 seconds indicates threshold alarm mode is active. You may remove the read key after slower blinks commence.
	LEDs change to solid <b>GREEN</b>	Solid. Lasts about 10 seconds.	Procedure is complete	

### Alarm detection and verification

Alarm type	Blink pattern	LED duration	<b>Note:</b> A "blink" is observed as a single, quick rotation of the three LEDs. First one, then the next, then the third. 
Enveloped Acceleration Alarm	1 <b>RED</b> blink every 5 seconds	1 week	
Velocity Alarm	2 <b>RED</b> blinks every 5 seconds	1 week	
Temperature Alarm	3 <b>RED</b> blinks every 5 seconds	1 week	

