



MSI-FSB-F-3-110A

MSI - Motion Sensing Interlock

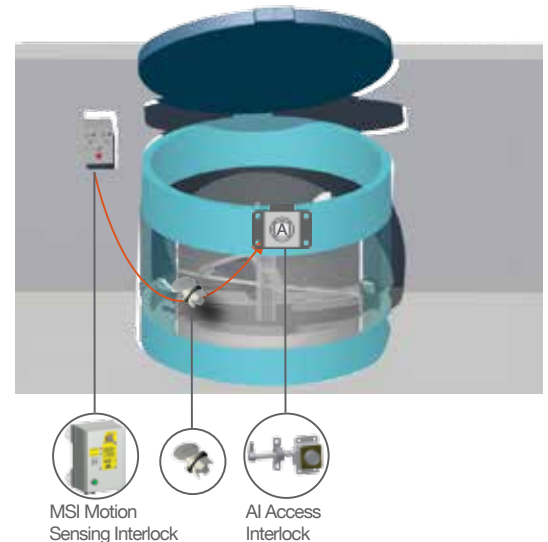
- Motion sensing interlock
- Designed to control access to rotating machinery that has a run-down time
- Relies on the detection of motion via two sensors
- Only when both sensors detect zero movement can the key be released
- Designed to provide the highest level of safety when installed as part of an access control system for dangerous machinery
- Available with FS or Q type lock portions

Application

The MSI is designed to operate as part of an integrated safety system, controlling access to hazardous areas to motor driven, high risk applications where complete isolation of the power supply is required before access is granted.

Two sensors are positioned on the rotating shaft, these are wired into the MSI unit. When the electric motor is running, the key of the MSI interlock cannot be removed, hence preventing access to the hazardous area. To gain access to the area, the electrical motor must be switched off by turning the key to OFF position. This changes the switches of the electrical supply to the machine to a safe condition. A movement sensing detector sends a signal to the MSI unit once a zero movement of the motor has been stated. A green LED illuminates. By pushing the green button, the key can now be removed and taken by the personnel to the AI access interlock.

The guard can only be opened when the electrical supply has been switched into a safe condition. The machine cannot be restarted until the door is closed and the key is removed and taken to the MSI.



Order Information

	Product Type	1	2	3	4	5	6	7
Part Number	MSI	-		-		-		
Example	MSI	-	FS	-	B	-	F	-

1	Lock portion type	FS ⁽¹⁾ / Q ⁽¹⁾
2	Material	B = Brass, standard
3	Mounting	F = Front of board mount with enclosure, standard
4	Number of poles	3, standard
5	Control voltage	110 / 24 / 240, standard
6	Current	AC (use for 110V and 240V) / DC (use for 24V)
7	Lock portion symbol	FS ⁽¹⁾ up to 3 characters / Q ⁽¹⁾ up to 6 characters