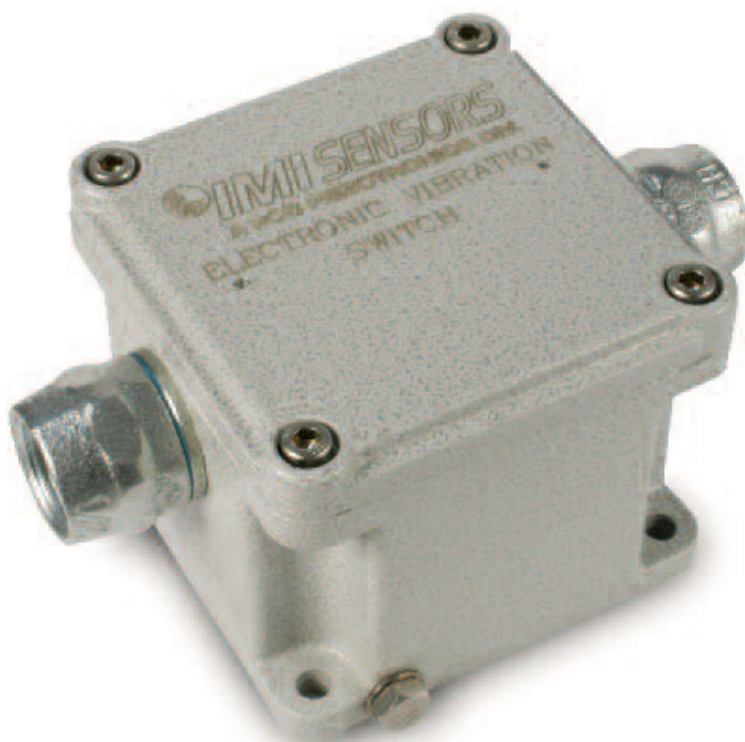


IMI 685B vibration switch

INSTALLATION - OPERATION

Z1120322 ISSUED 6/2020

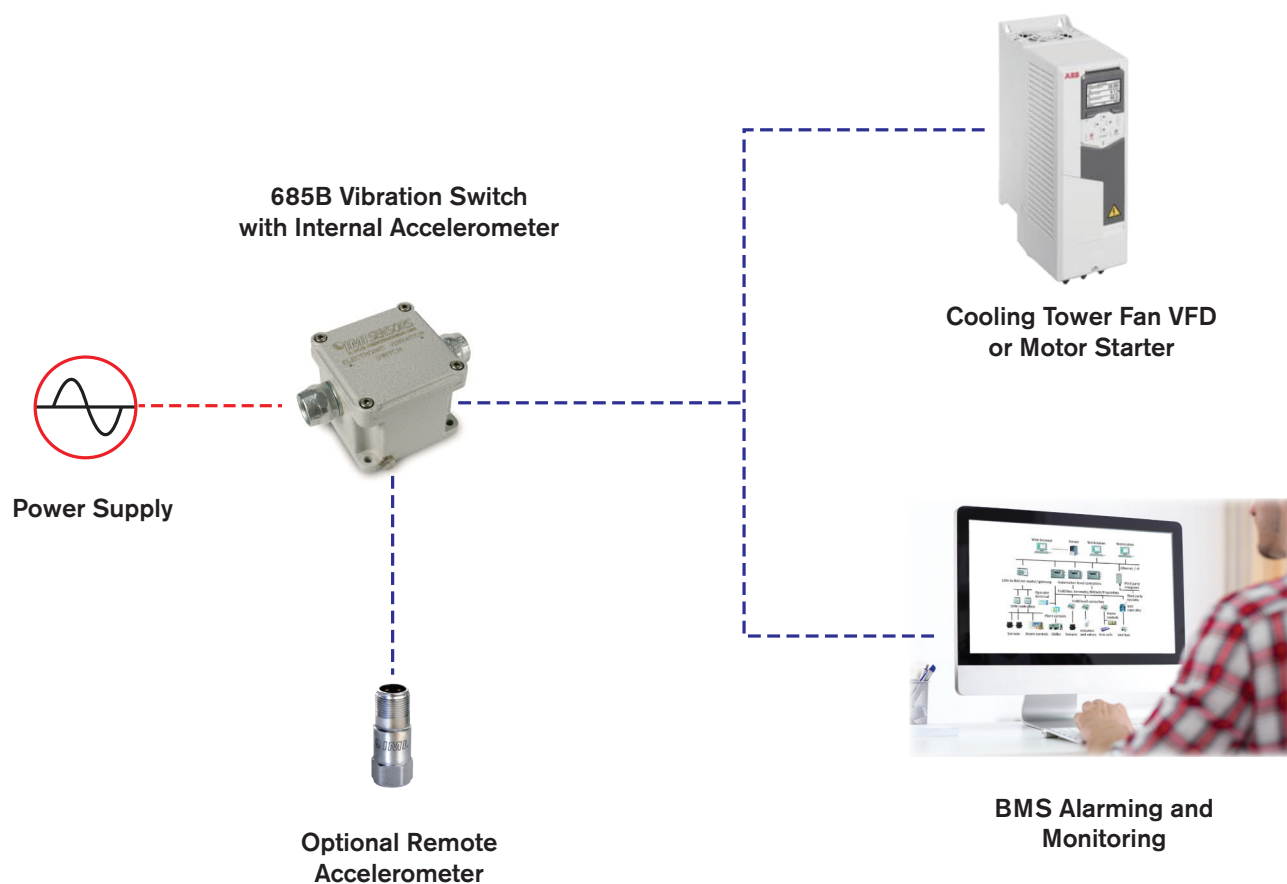
READ AND UNDERSTAND THIS MANUAL PRIOR TO OPERATING OR SERVICING THIS PRODUCT.



overview

The 685B Series electronic vibration switch is designed to monitor vibration levels and trip an alert when a specified limit is exceeded. A second onboard relay trips an alarm that can be used to shut down a piece of equipment or act as a secondary alert level. An onboard accelerometer with precision electronics insures reliability and accuracy.

Typical System Schematic



Note: Seal inside of conduit at the vibration switch box creating a vapor barrier against condensing water entering the vibration switch enclosure

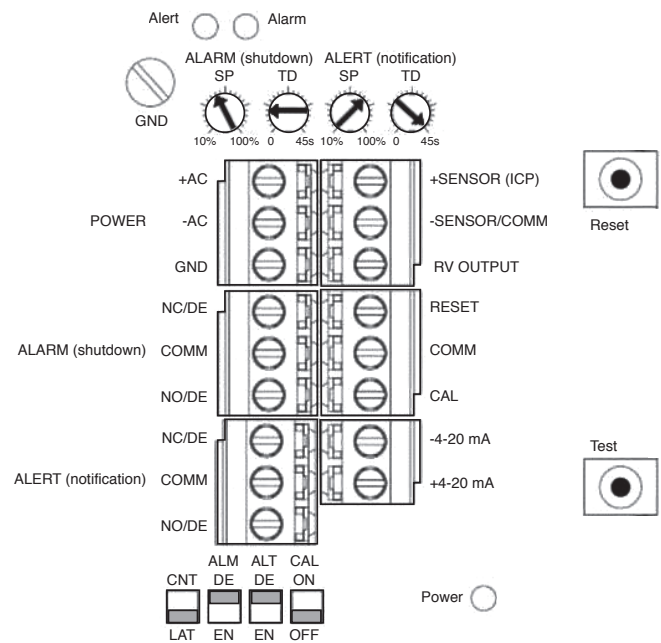
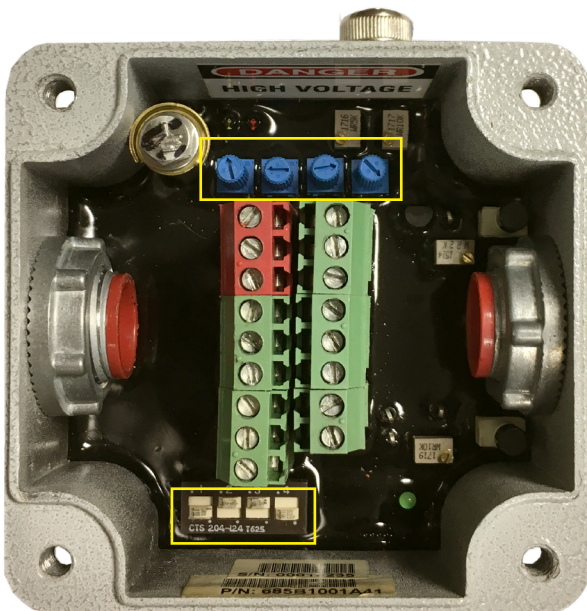
calibration settings

Note

Vibration switch settings need to be made in the field. Refer to illustrations below for recommended settings.

Alarm (shutdown) at
.7 in/sec with
3 sec time delay

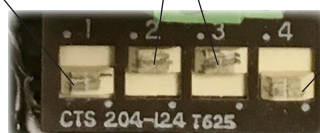
Alert (notification)
at .6 in/sec with
45 sec time delay



DOWN position
(Relay Latch)

UP position
(Default Relay Stage)






DOWN position
(Calibration)
Do Not Change



IMI 685B vibration switch

USER MANUAL

Specifications

Part Number	Description	Enclosure Rating	Connections	Standards	Model
2456599	Vibration Switch with internal accelerometer	NEMA 4X/IP68 painted aluminum	Conduit hubs	 	685B
2456778	Vibration Switch for use with external accelerometer	NEMA 4X/IP68 painted aluminum	Conduit hubs		685B
2600296	Accelerometer	NEMA 4X/IP68 stainless steel	30' (9m) cord with watertight molded connection at accelerometer and flying ends at opposite end		603C
2706949	Accelerometer	NEMA 4X/IP68 stainless steel	50' (15m) cord with watertight molded connection at accelerometer and flying ends at opposite end		603C

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