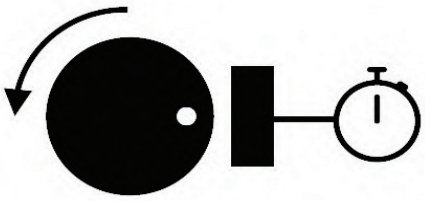


MOTION control

Motion sensor controlled starting and stopping

ATS Electro-Lube's Motion Activated Control option uses a magnet and sensor to count rotations of the machine to both activate and pause lubrication based on the machine's real-time movements. This allows operator-free stopping and starting of lubrication.

HOW IT WORKS:

A magnet is affixed to a rotating or cyclic part of the machine. As the magnet passes by a sensor, it signals the luber that the machine is operational, and the luber starts counting the time elapsed, which contributes to the cycle time set by the user.

When the sensor no longer detects the magnet moving past it at regular intervals, the cycle time counting process is halted. The luber remains in a paused state until the magnet resumes moving past the sensor at regular intervals again.

BENEFITS/DRAWBACKS:

Benefits:

- No room for operator error — since the unit does not need to be activated by the user, there is no possibility for the operator to forget to turn on the lubricator.

Drawbacks:

- The machine that the unit is attached to, must have a part that undergoes rotational or cyclic motion.

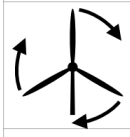
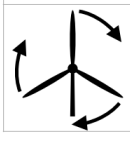
EXAMPLE OF OPERATION:

A Jack Luber with Motion Control is installed on a wind turbine and Switch 2 is selected for its dispensing setting.

On a windy day, the turbine is spinning, and the Motion Control system senses this movement, causing the luber to dispense 4 CC of grease per day. As the turbine continues to spin, the Motion Control system maintains the dispensing rate.

However, at night or when the wind dies down and the turbine stops spinning, the Motion Control system detects this lack of movement. Thus, the dispensing rate for additional grease is paused until motion is detected again.

This ensures that the lubrication is provided only when necessary, conserving grease and optimizing the lubrication process for the wind turbine's operational needs.

Turbine State	Grease Dispensed	Electro-Luber Dispensing State
	4 CC/ Day	ON
	0 CC/ Day	PAUSED
	4 CC/ Day	ON

SPECIFICATIONS:

- Magnet's path must be within 1" of the mounted sensor. The closer the better.
- Cyclic motion must be less than 60 RPM.

COMPATIBILITY:

Can be used with the JACK, ULTIMATE, TITAN and OILER Luber Series.

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