Finding a Way to Provide New Innovative Solutions to Common Problems

SST-50 Start Stop Timer for Electric Motor Systems
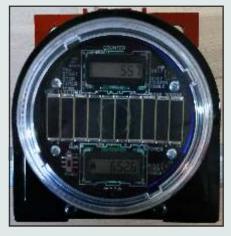

Identify Starts, Stops and Length of Run Time in Electric Motors

EDE Electric Motor Testing

Know the Motors Duty Cycle

Intended Use

Understand the duty cycle of motors in your facility.

- Inexpensive/quick way to track run time and starts in electric motors

- Duty cycle monitoring in multi-motor processes (e.g. 2 sump pumps)

- Maintenance scheduling

- Energy Audit

Identify Possible Motor Abuse or Misapplication

I is now possible to track motors through the stray flux to confirm potential process problems. If an electric motor is designed to be started and stopped once a day and it is actually being started 10, 20 or even 100 times a day, there is going to be a maintenance problem in its future. With the SST-50 Start/Stop/Timer identify potential process abuse before problems develop.

More Accurately Schedule Maintenance

Schedule maintenance according to length of run time instead of on a monthly, quarterly or even annual basis. Prioritize motors by duty cycle during outage times to better share work requirements. For example did that motor *really* run 200 hours or 2,000 hours?

Multi-motor Processes

In processes where there are more than one motor involved, it is easy to lose track of which motor is doing the majority of the work. Understand quickly the role each motor in the process carries.

Energy use Observation

Monitor energy usage for projects by run time hours. Examples include irrigation pumps, just how long did that pump run?

SST-50 Start/Stop/Timer

The SST-50 is a rechargeable battery enclosed unit that magnetically attaches to the outside of the motor case and counts each start. It records run time in 6 minute intervals (1/10 of an hour). This display gives the maintenance professional knowledge on duty cycle that motors are operating within.

➕ BENEFITS OF USE

- Schedule maintenance activities

- Identify possible abuses

- Remaining useable life estimates

- Know which shared process motors are doing most of the work

- Monitor starts/stops and run time on problem motors

- Troubleshooting - just when did that motor trip?

- Super Easy installation - *just magnetically attach to outside of motor*

Pump A versus Pump B - Which one is doing the work?

SST-50 Technical Specifications

- Magnetically attached to side of motor or U-Bolt to conduit/base

- No hook up required, triggers off of stray flux

- 25 year data retention

- Zero reset switch for time and starts

- IP67 Ingress Enclosure

- Auxiliary input use in low flux situations

- Solar charge capable

- Rechargeable battery pack through USB wall wart or Aux

PRODUCTS **+** SERVICES **+** CUSTOMER CENTERED **=** EDE ELECTRIC MOTOR TESTING