

YOUR PUMP  
MOTOR COULD  
BE VULNERABLE  
TO DAMAGE



## Did you know a standard pump panel only offers overload and possibly phase-loss protection?

This basic protection leaves out high voltage, low voltage, reverse phase, and rapid cycling protection, which can cause motor windings to overheat and burn insulation shortening the life of your motor. You can inexpensively upgrade your protection with Littelfuse MotorSaver Voltage/Phase Monitors and extend the life of your motor.

**Big protection with little added cost — Littelfuse MotorSaver Voltage/Phase Monitors add protection from high voltage, low voltage, reverse phase, phase loss and rapid cycling.**



Littelfuse Model 201A-AU



Littelfuse Model 455

Perfect for use in panels designed for:

- Fresh water pumping
- Irrigation
- Oil & Gas submersible pumps
- Oil & Gas pump jacks

*I had a customer who was burning up motors due to dirty power in the field. We suggested the Motorsavers and they have not burned up a motor since due to bad voltage...*

~ Bob H., Brandon and Clark

## Upgrade your pump panel protection with Littelfuse MotorSaver voltage/phase monitors and extend the life of your motor.



201A-AU



460

### 201A and 460 Series

Both of these Voltage/Phase Monitors will protect your motor against high/low voltage, unbalanced voltage, phase loss, reverse phase, and rapid cycling. The 201A-AU uses a standard 8-pin octal mount and the 460 is DIN rail or surface mountable.



455



Informer-MS

### 455 Series and Informer MS

The 455 delivers the complete protection you need PLUS monitoring the load side of the contactor protecting for failure and keeping history of the past 20 fault causes including voltages and unbalance at the time of trip. With the Informer-MS, you can wirelessly download and view fault history, real-time data and more. Great for troubleshooting.

**Interested in learning more about motor protection relays?  
A variety of resources are available at [Littelfuse.com/MotorProtection](http://Littelfuse.com/MotorProtection).**

Troubleshooting Guide



Checklists



Whitepapers



Videos



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