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Eagle Defender Heated Signal Visor

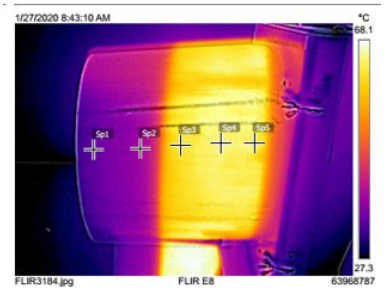


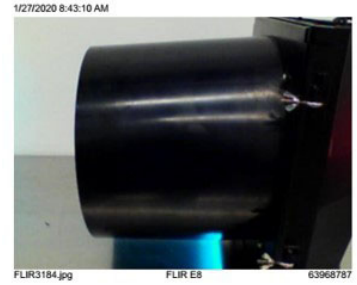
DATA SHEET

DESCRIPTION

The all-new, innovative Eagle Defender is the latest Eagle product that focuses on improving driver safety. While the implementation of LED traffic signals in the mid-2000s heralded a significant power savings, a new and unexpected problem cropped up – snow buildup on the lenses. When snow collects on the LED lens, it can impede or even completely block the indication to the motorist. This is a significant safety issue for any motorist passing through the intersection trying to determine whether to stop or proceed. The Eagle Heated Signal Visor solves this issue and keeps the intersection safe, even during the worst snowstorms.

The Eagle Defender utilizes an ultra-efficient, printed heating element to keep the visor warm in snow conditions. The printed heater technology is extremely durable, reliable, and heats up quickly, eliminating the chance for snow to build up on the LED. Using this modern printed heating technology means the heater will keep a constant wattage across the heater, leading to uniform heating performance and naturally preventing hot-spots.







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SPECIFICATIONS

- Flexible heater on inside of visor
- Control module in signal can control up to 5 heaters
- Temperature and humidity probe mounted outside of signal determines if snow is present
- Power uses extra unused wire from signal cable
- Available on new signals or as a retrofit kit

CONTROL MODULE

- Module designed to fit on existing terminal block mounting holes
- Each visor connects independently to the control module. Five visors can hook into a single module and are controlled independently.
- Module has a single connection to 120V
- Cascade functionality allows heater operation to reduce power consumption. By intermittently powering the five heater outputs, the module ensures heat supply to all visors while reducing power consumption by up to 60%.

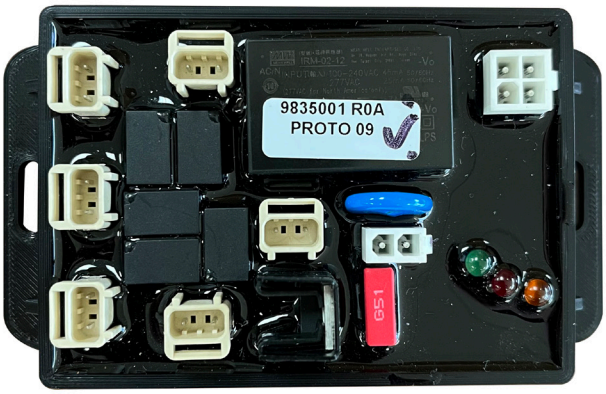
TEMPERATURE/HUMIDITY PROBE

- Probe mounted somewhere on the outside of the signal
- Module settings to operate the heaters during typical snowing conditions – below 35.6° F and above 75% RH

TEMPERATURE/HUMIDITY PROBE



CONTROL MODULE



PROBE MOUNTED ON SIGNAL



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