EE-595
Safety on Forklifts
Team 8

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EE-595
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Description

• Purpose of Product – A traffic signal intended for use in factories with fork-truck traffic

• Each forklift outfitted with module that relays information to driver when approaching intersections

• For use in 4-way, 3-way, or 2-way intersections

• Designed for food production – high heat/humidity

• Market: USA (factory, plant, warehouse)
EE-595
Key Requirements

• Cost
  • Sales Price: $800, Component Cost: $200, Assembly & Test Costs: $80

• Environment
  • Indoor use, possibly hot/humid working area
  • Operating Temp Range: 4 to 105 °C
  • Operating Humidity Range: 0 to 100%

• Power Input(s)
  • Residential AC Power (box): 102-132 VAC @ 20 Amps Max
  • Battery Power (module on forklift): Chargeable, external to product, 12 to 48 volts @ 0.5 Amps

• Major Functions, Quantities Measured, Displayed
  • Four LEDs: On/off settings for each to signal to driver
  • RF signal range between box and modules: 60 feet