

### ELECTRONIC HID BALLASTS

Case Material: Metal

| Input                     |                                             |
|---------------------------|---------------------------------------------|
| Nominal Voltage           | Universal 120V to 277V                      |
| Frequency                 | 50/60Hz                                     |
| Line Regulation           | ± 5% output variation over full input range |
| Power Factor              | > 0.95                                      |
| Total Harmonic Distortion | < 10%                                       |

| Output                   |                   |
|--------------------------|-------------------|
| Lamp Operating Frequency | 165Hz Square Wave |
| Lamp Current C.F.        | <1.3              |

| Ordering Information    |                   |
|-------------------------|-------------------|
| Standard Case Quantity  | 50 Units          |
| Unit Weight/Case Weight | 0.70 lbs/37.5 lbs |

### ELECTRICAL SPECIFICATIONS

| Watts | Hatch Part Number | Description                                | Lamp Types/ANSI Codes | Voltage Range               | Nominal Input Power | Input Current/ Input Voltage                                             | Max. Remote Distance (ft) |
|-------|-------------------|--------------------------------------------|-----------------------|-----------------------------|---------------------|--------------------------------------------------------------------------|---------------------------|
| 50    | MC50-1-F-UNNU     | 50 Watt Universal Mini w/Feet              | M110, M148 Ceramic MH | Wide Range Input 108-305VAC | 56 Watts            | .41 Amps @ 120V<br>.27 Amps @ 208V<br>.24 Amps @ 240V<br>.21 Amps @ 277V | 25                        |
|       | MC50-1-J-UNNU     | 50 Watt Universal Mini Bottom Feed w/Studs |                       |                             |                     |                                                                          |                           |

#### PRODUCT FEATURES :

- Thermal protection
- Approved for recessed use
- Micro Processor Controlled
  - Safety Shut Down Features
  - Superior Hot Lamp Restrike Characteristic
- Low Voltage Lamp Shutdown
- Sound Rated: A
- Minimum Starting Temperature: -30°C
- Maximum Case Temperature: 80°C
- Complies with FCC Part 18 (Class B) Consumer limits
- Up to 5 Year Warranty
- Lamp end-of-life protected

- Transient Protection Meets ANSI/IEEE C62.41 Cat A
- Short Circuit Protection
- Open Circuit/No Lamp/ Hot Lamp Shutdown, Retry and Ignition Failure Protection:
  - Ignition failure shutdown in 5 seconds followed by multiple timed restrikes with lamp ignition or timed shutdown until power is reset (restrike timing is lamp wattage dependent)

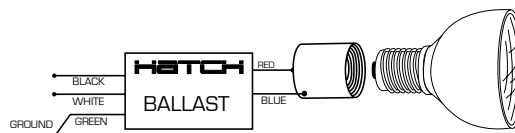
#### APPROVALS:



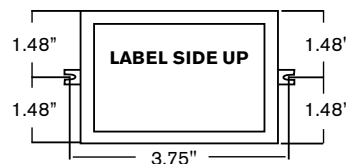
Type 1 Outdoor



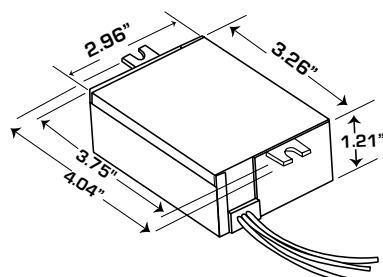
#### WIRING DIAGRAMS:



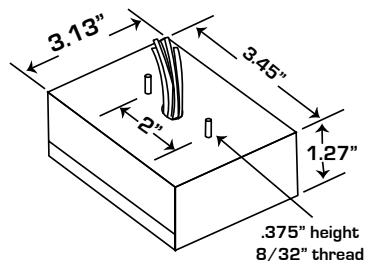
#### MOUNTING DIAGRAM:



#### CASE DIMENSIONS & MECHANICAL SPECIFICATIONS:



Center line to center line is .16" less than end to end on models with mounting feet.



#### CASE STYLE

#### MOUNTING

U - Mini

F - With feet

#### Wiring Information

Lead Length : Input/Output : 8"  
Wire Type : Input: 18AWG, 105°C, 600V

#### Operating Temperatures

Minimum Starting Temperature : -30°C  
Maximum Case Temperature : 80°C

#### CASE STYLE

#### MOUNTING

U - Mini

J - Bottom feed with studs

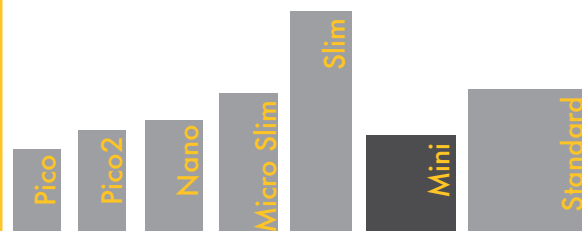
#### Wiring Information

Lead Length : Input/Output : 10"  
Wire Type : Input: 18AWG, 105°C, 600V

#### Operating Temperatures

Minimum Starting Temperature : -30°C  
Maximum Case Temperature : 80°C

#### CASE STYLE SIZE CHART:



Each case style listed in the Size Chart represents a side lead model with no mounting feet. All HATCH E-HID Ballasts are available in several mounting and wiring configurations, each with slightly different dimensions from those listed in the chart.



# Mouser Electronics

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