# hatch

**Series**
**150W Standard**
**Dedicated Voltage Models**

## ELECTRONIC HID BALLASTS

**Case Material: Metal**

| Input | |
|---|---|
| Nominal Voltage | Dedicated 120V or 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 | 0.88 lbs/46.5 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) |
|---|---|---|---|---|---|---|---|
| 150 | MC150-1-F-120U | 150 Watt 120V Standard w/Feet | M102, M142 Ceramic MH | 120V AC Nominal 108 - 132V<br>277V AC Nominal 220 - 277V | 164 Watts | 1.37 Amps @120V<br>.79 Amps @ 208V<br>.69 Amps @ 240V<br>.60 Amps @ 277V | 25 |
| | MC150-1-J-120U | 150 Watt 120V Standard Bottom Feed w/Studs | | | | | |
| | MC150-1-F-277U | 150 Watt 277V Standard w/Feet | | | | | |
| | MC150-1-J-277U | 150 Watt 277V Standard Bottom Feed w/Studs | | | | | |

**DO NOT USE Osram Powerball Lamps**

## PRODUCT FEATURES :

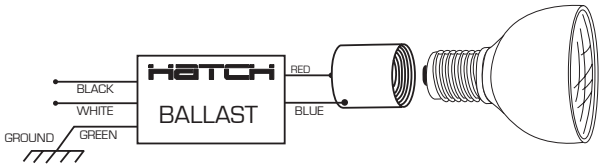
- Thermal protection
- Approved for recessed use
- Micro Processor Controlled
  - Safety Shut Down Features
  - Superior Hot Lamp Restrike Characteristic
- Sound Rated: A
- Minimum Starting Temperature: -30°C
- Maximum Case Temperature: 80°C
- Complies with FCC Part 18 (Class B) Consumer limits
- 5 Year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

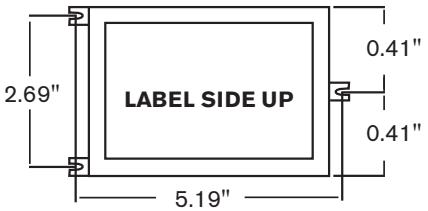
c UL us LISTED — Type 1 Outdoor — E — RoHS COMPLIANT

**CALIFORNIA TITLE 20**

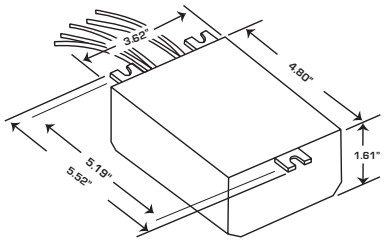
## WIRING DIAGRAM:




## MOUNTING DIAGRAM:



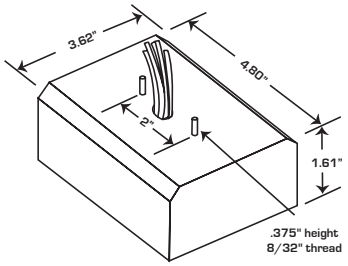

## CASE DIMENSIONS & MECHANICAL SPECIFICATIONS:




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

| CASE STYLE | MOUNTING |
|---|---|
| U - Standard | F - With feet |

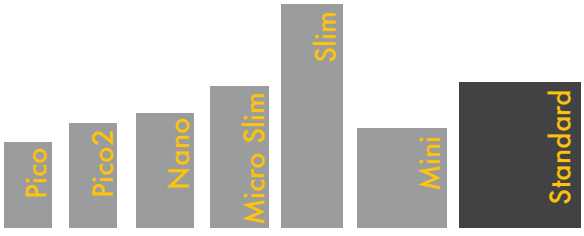
| Wiring Information | |
|---|---|
| Lead Length : | Input/Output : 8" |
| Wire Type : | Input: 18AWG, 105°C, 600V |
| **Operating Temperatures** | |
| Minimum Starting Temperature : | -30°C |
| Maximum Case Temperature : | 80°C |




| CASE STYLE | MOUNTING |
|---|---|
| U - Standard | J - Bottom feed with studs |

| Wiring Information | |
|---|---|
| Lead Length : | Input/Output : 9" |
| 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.



**Available for CMH or HPS Lamps**