

ELECTRONIC HID BALLASTS

Case Material: Polycarbonate

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	0.54 lbs/29.5 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)
20	MC20-1-F-UNNS	20 Watt Universal Micro Slim w/Feet and Leads out Opposite Sides	M/C156 Ceramic MH	Wide Range Input 108-305VAC	24 Watts	.20 Amps @ 120V .12 Amps @ 208V .10 Amps @ 240V .09 Amps @ 277V	25
	MC20-1-T-UNNS	20 Watt Universal Micro Slim Track w/o Feet w/Leads out Opposite Sides					
	MC20-1-F-UNNSL	20 Watt Universal Micro Slim w/Feet and Leads out One Side					
	MC20-1-T-UNNSL *Not Shown	20 Watt Universal Micro Slim Track w/o Feet w/Leads out One Side					

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
- 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)

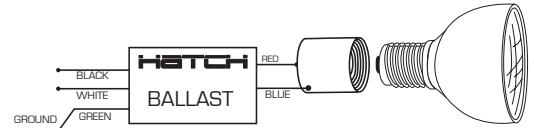
APPROVALS:



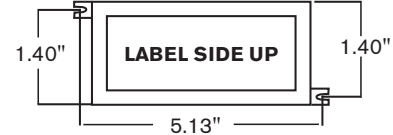
Type 1 Outdoor



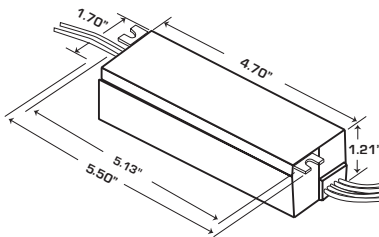
WIRING DIAGRAMS:



MOUNTING DIAGRAM:

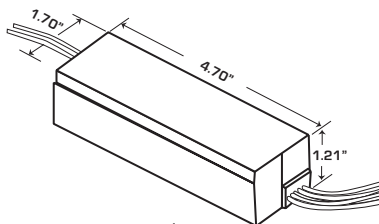


CASE DIMENSIONS & MECHANICAL SPECIFICATIONS:



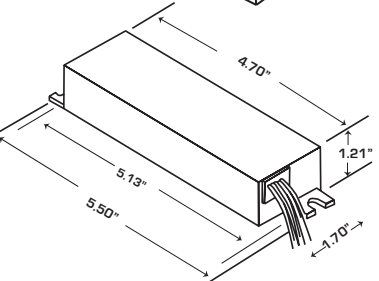
CASE STYLE	MOUNTING
S - Micro Slim	F - With feet
Leads out opposite side	

Wiring Information	
Lead Length :	Input: 10", Output : 8"
Wire Type :	Input: 18AWG, 105°C, 600V
Operating Temperatures	
Minimum Starting Temperature :	-30°C
Maximum Case Temperature :	80°C



CASE STYLE	MOUNTING
S - Micro Slim	T - Track mount w/o feet
Leads out opposite side	

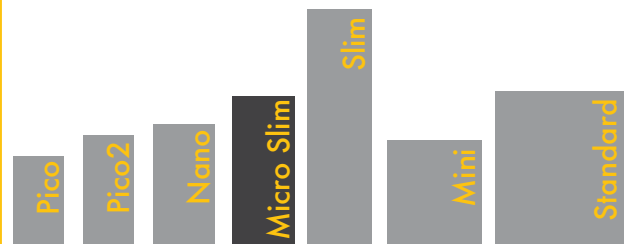
Wiring Information	
Lead Length :	Input: 10", Output : 8"
Wire Type :	Input: 18AWG, 105°C, 600V
Operating Temperatures	
Minimum Starting Temperature :	-30°C
Maximum Case Temperature :	80°C



CASE STYLE	MOUNTING
SL - Micro Slim	F - With feet
Leads out one side	

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 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.

