



LOW TEMPERATURE ELECTRONIC BALLASTS

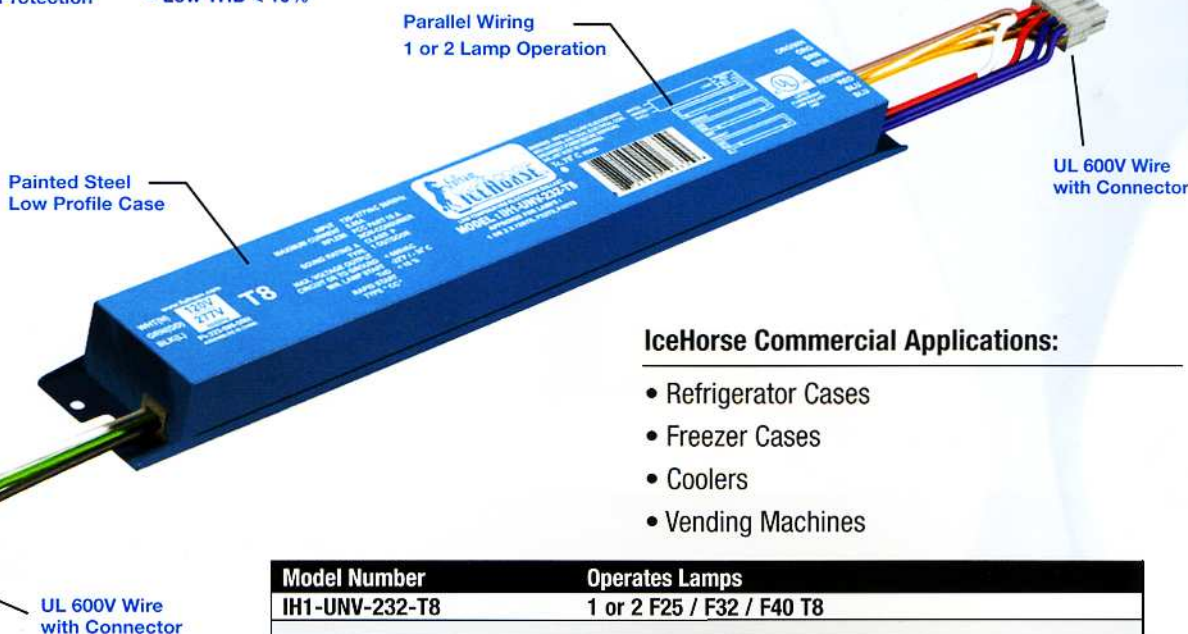
Minimum Starting Temperature
-30°C
T8 & T12 Lamps

UNIVERSAL
120V-277V
50/60Hz



Advanced Design Application Features:

- Universal Voltage 120V-277
- High Power Factor
- Deactivated Lamp Protection
- Fault Condition Protection
- Programmed PreHeat Start
- Minimum Starting Temperature -30°C
- No PCBs
- Low THD < 10%



IceHorse Commercial Applications:

- Refrigerator Cases
- Freezer Cases
- Coolers
- Vending Machines

Model Number	Operates Lamps
IH1-UNV-232-T8	1 or 2 F25 / F32 / F40 T8
IH2-UNV-270-T8	1 or 2 F58 / F70 T8
IH3-UNV-272-T12HO	1 or 2 F40 / F60 / F72 T12HO 1 or 2 F48 / F60 T10 VHO 1 F72 T10 VHO / F96 T12 VHO (215W)

SPECIFICATIONS COMMON TO ALL ICEHORSE BALLASTS

Input Voltage	120v-277v	Circuit to Ground	< 600 VAC
Input Voltage Range	± 10%	Approvals	UL / cUL Listed
Power Line Frequency	50/60Hz	Type	1 Outdoor / "CC"
High Power Factor	> 0.9	Thermal Protection	Class "P"
ATHD	< 10%	EMI/RFI Compliance	FCC Part 18-A (Non-Consumer)
Re-lamping Circuit	Deactivated Lamp Protection	Sound Rating	A
Surge Protection	ANSI C61.42-A7 Strikes and EN6100-4-5	Lamp Starting Temperature	Reference Lamp Specifications
Current Protection	Fuse	Minimum Operating Temperature	-30°C (-22°F)
Lamp Types Operated	Reference Chart	Maximum Case Temperature	70°C (158°F)
Lamp Operation Mode	Reference Chart	Ballast Case Construction	Painted Steel
Lamp Connection	Parallel	Input/Output Connections	Wire Leads + Connectors
Ignition Method	Programmed Pre-Heat Start	Hazardous Material	No PCBs
Lamp Current Crest Factor	< 1.7	Potted	Yes
Voltage Transients	ANSI 62.41	Warranty	3-years

IH1-UNV-232-T8

Max. Current: .85 AMP
Max. Load: 100W
Case Size: H 1" X W 1.7" X L 12"
Ballast Weight: 1.4 lbs
Case Quantity: 25 pcs.

IH2-UNV-270-T8

Max. Current: 1.35 AMP
Max. Load: 155W
Case Size: H 1" X W 1.7" X L 12"
Ballast Weight: 1.5 lbs
Case Quantity: 25 pcs.

IH3-UNV-272-T12HO

Max. Current: 1.38 AMP
Max. Load: 150W
Case Size: H 1" X W 1.7" X L 12"
Ballast Weight: 1.4 lbs
Case Quantity: 25 pcs.