

The WNX series of industrial emergency lighting units is designed to be affordable, durable and dependable. The NEMA 4x rated fiberglass housing can be used in most damp, wet and hose down areas.

FEATURES

- Impact-resistant, fiberglass housing with an industrial gray finish
- Available in 6, 12 or 24 volt with wattages ranging from 18-360 watts
- High-impact, thermoplastic, black PAR 36 sealed beam lamps
- IP66 rated for wet and hose down locations - NEMA 4X
- Internal battery heater option (IH1 or IH2) allows operation in temperatures as low as -20°C (-4°F)
- AC lockout for ease of installation and installer protection
- Low voltage disconnect eliminates deep discharge
- Brownout, short circuit and voltage surge protection
- Maintenance-free lead acid battery
- Optional NiCad battery available
- CSA listed 90 minute emergency run time, 24 hour recharge time
- Optional Guardian Self-Test/Self-Diagnostics (G2) available
- Optional time delay feature available
- Universal J-box mounting system
- 120/277V dual primary, 60Hz input
- Assembled in the U.S.A.

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____



WARRANTY

Any component that fails due to manufacturers defect is guaranteed for 3 years with a separate 3 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. See the full Exitronix warranty document for detailed information.



ORDERING INFORMATION Example: WNX-12N-42-2-Z12H12-G2

Series	Wattage		# of Lamp Heads	Lamp Heads	Options (Factory Installed)
WNX-6 = 6 Volt Lead Acid	6 Volt Lead Acid	6 Volt NiCad	0 = No Lamp Heads	6 Volt Tungsten Lamps	A = Ammeter
WNX-6N = 6 Volt NiCad	18 = 18 Watts	22 = 22 Watts	1 = 1 Lamp Head	Z0608 = 8 Watts	FP = Food Prep Lens
WNX-12 = 12 Volt Lead Acid	36 = 36 Watts	42 = 42 Watts	2 = 2 Lamp Heads	Z0618 = 18 Watts	G2 = Self-Test/Self-Diagnostics
WNX-12N = 12 Volt NiCad	60 = 60 Watts	54 = 54 Watts		Z0625 = 25 Watts	IH1 = Internal Batt Heater 120V
WNX-24 = 24 Volt Lead Acid	72 = 72 Watts	90 = 90 Watts		Z0630 = 30 Watts	IH2 = Internal Batt Heater 277V
WNX-24N = 24 Volt NiCad	100 = 100 Watts	12 Volt NiCad		6 Volt Halogen Lamps	LC = 3' Line Cord
	120 = 120 Watts	42 = 42 Watts		Z06H08 = 8 Watts	TA = 120V Time Delay
	200 = 200 Watts	90 = 90 Watts		Z06H12 = 12 Watts	TB = 277V Time Delay
	12 Volt Lead Acid	130 = 130 Watts		Z06H20 = 20 Watts	USA = Meets Buy American Requirements
	36 = 36 Watts	200 = 200 Watts		12 Volt Tungsten Lamps	V1 = Voltmeter
	60 = 60 Watts	24 Volt NiCad		Z1212 = 12 Watts	
	120 = 120 Watts	100 = 100 Watts		Z1218 = 18 Watts	Accessories² (Field Installed)
	140 = 140 Watts	200 = 200 Watts		Z1225 = 25 Watts	WG-7 = Wire Guard, 27-72W (Back Mount)
	160 = 160 Watts			Z1230 = 30 Watts	WG-A = Wire Guard, 100-360W (Back Mount)
	180 = 180 Watts			12 Volt Halogen Lamps	XG-EL90 = Poly Guard, 27-72W (Back Mount)
	360 = 360 Watts			Z12H08 = 8 Watts	
	24 Volt Lead Acid			Z12H12 = 12 Watts	
	280 = 280 Watts			24 Volt Tungsten Wedge Base/Bi-Pin Lamps	
	360 = 360 Watts			J2409 = 9 Watts	
				J2418 = 18 Watts	
				24 Volt Halogen Wedge Base/Bi-Pin Lamps	
				J24H12 = 12 Watts	
				J24H20 = 20 Watts	
Notes					
¹ 6 Volt or 12 Volt Only					
² Order as separate line item					

CONSTRUCTION

The WNX series is constructed with a durable, fully gasketed NEMA 4x rated fiberglass cabinet. Industrial gray finish is standard.

ILLUMINATION

Two fully adjustable lamps with metalized reflectors allow for maximum light to be delivered to the path of egress. Emergency lights consist of two 6, 12 or 24 volt, 9 watt, "Z" style Par 36 lamp heads as standard.

ELECTRICAL

Input

Dual-voltage input 120 or 277VAC at 60Hz.

Sealed Lead Acid Battery – SLA

Exitronix sealed lead acid batteries are maintenance-free with a life expectancy of 5 years. Sealed lead acid batteries provide a relatively large power-to-weight ratio making them ideal for emergency applications. Lead acid batteries are constructed of a series of plates stacked with separators designed to optimize the efficiency and prolong the life of the battery. Lead acid batteries perform optimally in temperatures ranging from 59°F to 104°F (15°C to 40°C).

Sealed Nickel Cadmium Battery (Option: NC)

Exitronix sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. Nickel cadmium batteries offer high discharge rates and continue to perform in a vast temperature range from 32°F to 104°F (0°C to 40°C). NiCad technology provides long lasting, safe and reliable performance by utilizing the jelly-roll design and allows a NiCad cell to deliver a much higher maximum current than an equivalent size alternative battery. As a relatively larger area of the electrode is in contact with the active material in each cell, the internal resistance for an equivalent sized NiCad cell is lower, which increases the maximum current that can be delivered.

Emergency

The WNX series exit will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

Brownout Circuit

The brownout circuit monitors the flow of AC current to the unit and triggers the emergency lighting system once a set reduction of AC power occurs. This dip in the voltage will cause many fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

Low Voltage Disconnect

When the battery's terminal voltage falls below predetermined levels, the low voltage circuit disconnects the emergency lighting load. The disconnect remains in effect until normal power is restored, preventing deep battery discharge and improving the life of the battery. The disconnect will also automatically reconnect the load circuit once the battery voltage returns to a normal value after charging.

Solid-State Transfer

The unit features a solid-state switching transistor which eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and automatically energizes the lamps. Upon restoration of the AC voltage, the emergency lamps will switch off and the charger will automatically recharge the battery.

Overload and Short-Circuit Protection

The solid-state overload monitoring system in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short-circuit is removed. This overload current protective characteristic eliminates the need for fuses or circuit breakers for the DC load.

Test Button

The test button is easy to locate and allows for manual verification that the transfer circuit and emergency lamps are operating properly.

INSTALLATION

The WNX series is suitable for surface wall mount applications

Made in the USA (Option: USA)

Many of our products can be produced or configured to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions. These fixtures meet LEVEL 2 or 3 compliance when option is requested – please call factory for details with questions.

Guardian Self-Test/Self-Diagnostics (Option: G2)

The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

The purpose of this option is to provide visual signaling in response to a fault at the EXIT sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

The Guardian circuit also monitors the transfer circuit and performs automatic code compliance testing. The Guardian circuit will perform a 30 second discharge and self-test every 28-30 days. A 90 minute discharge and self-test is performed every 6 months.

Time Delay (Option TA or TB)

The purpose of this feature is to allow additional time for "normally on" fixtures to return to full brightness prior to extinguishing the supplemental light from the emergency fixtures.

Internal Heater (Option: IH1 or IH2)

The internal heater on this emergency fixture is designed to extend the operating temperature range of this unit down to -40°C (-40°F).

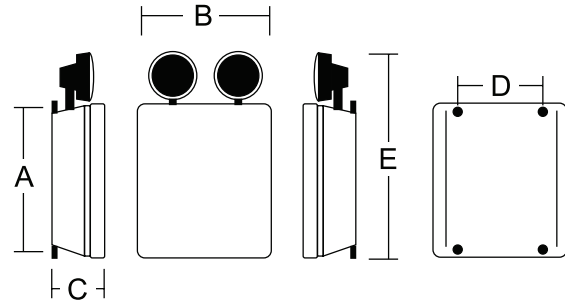
CONFORMANCE TO CODES AND STANDARDS

The WNX Series is CSA listed and meets or exceeds: UL 924, NEC requirements and NFPA 101.

MODEL RATING GUIDE

Model	Volts	Wattage (Minutes)				Cabinet
		90min	120min	180min	240min	
WNX-6-27	6	27	20	13	10	1
WNX-6-36	6	36	27	18	13	1
WNX-6-60	6	60	45	30	22	2
WNX-12-36	12	36	27	18	13	1
WNX-12-60	12	60	45	30	22	2
WNX-12-140	12	140	105	70	52	2
WNX-12-360	12	360	270	180	135	3
WNX-24-140	24	140	105	70	52	2
WNX-24-360	24	360	270	180	135	3

DIMENSIONS



Cabinet	A	B	C	D	E
1	11.43"	9.25"	5.43"	5.3"	16.5"
2	13.43"	11.25"	5.43"	8.3"	18.5"
3	15.5"	13.37"	6.25"	12.25"	22.5"