

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.

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

FEATURES & BENEFITS

- IP66 rated for Wet and Hose Down Locations - NEMA 4X
- Available in 6, 12 or 24 Volt with Wattages ranging from 18-360 Watts
- Impact-resistant, fiberglass housing with an industrial gray finish
- Internal battery heater option (IH1 or IH2) allows operation in temperatures as low as -20°C (-4°F)
- American Recovery and Reinvestment Act (ARRA) compliant
- Buy American Act (BAA) compliant

SPECIFICATIONS

Illumination: LED, tungsten or halogen 6, 12 or 24 volt lamps ranging from 5 to 20 watts

Housing: Impact-resistant, NEMA 4x rated fiberglass housing

Input: 120/277VAC Dual primary, 60Hz

Battery: Maintenance-free lead calcium or NiCad battery

Run Time: UL Listed 90 minute emergency run time, 24 hour recharge time

Electrical: Low voltage disconnect eliminates deep discharge, brownout, short circuit and voltage surge protection

Mounting: Surface mount wall applications

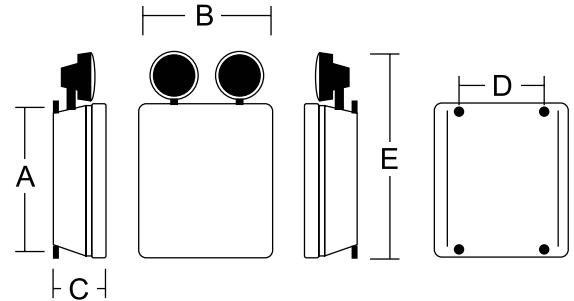
Finishes: Gray

Options: IHX = Internal Battery Heater
G2 = Self-test/Self-diagnostics
TA/B = Time Delay
A = Ammeter
V = Voltmeter
FP = Food Prep Lens

Operating Temp: IH1 Option: Down to -40°C (-40°F)

Certifications: cULus 924 Listed, meets or exceeds NEC requirements and NFPA 101, NEMA 4X Rated American Recovery and Reinvestment Act (ARRA) and Buy American Act (BAA) compliant

Warranty: Three year warranty with a separate three year prorated warranty on the battery (Terms and Conditions Apply)



Cabinet	A	B	C	D	E
1	11.4"	9.2"	5.4"	5.3"	16.5"
2	13.4"	11.3"	5.4"	8.3"	18.5"
3	15.5"	13.4"	6.3"	12.3"	22.5"

ORDERING INFORMATION Example: WNX-12N-42-2-LED12-7-G2

Series	Wattage		# of Lamp Heads	Lamp Heads	Options (Factory Installed)
WNX-6 = 6 Volt Lead Acid	6 Volt Lead Calcium	6 Volt NiCad	0 = No Lamp Heads	6 Volt MR16 LED Lamps	A = Ammeter
WNX-6N = 6 Volt NiCad	18 = 18 Watts	22 = 22 Watts	1 = 1 Lamp Head	LED6-5 = 5 Watts LED	FP = Food Prep Lens
WNX-12 = 12 Volt Lead Acid	36 = 36 Watts	42 = 42 Watts	2 = 2 Lamp Heads	LED6-7 = 7 Watts LED	G2 = Self-test/Self-diagnostics
WNX-12N = 12 Volt NiCad	60 = 60 Watts	54 = 54 Watts		12 Volt LED Lamps	IH1 = Internal Batt Heater 120V
WNX-24 = 24 Volt Lead Acid	72 = 72 Watts	90 = 90 Watts		LED12-5 = 5 Watts LED	IH2 = Internal Batt Heater 277V
WNX-24N = 24 Volt NiCad	100 = 100 Watts	12 Volt NiCad		LED12-7 = 7 Watts LED	LC = 3' Line Cord
	120 = 120 Watts	42 = 42 Watts		24 Volt LED Lamps	TA = 120V Time Delay
	200 = 200 Watts	90 = 90 Watts		LED24-5 = 5 Watts LED	TB = 277V Time Delay
	12 Volt Lead Calcium	130 = 130 Watts		LED24-7 = 7 Watts LED	V ¹ = Voltmeter
	36 = 36 Watts	200 = 200 Watts		24 Volt Tungsten Wedge Base/Bi-Pin Lamps	
	60 = 60 Watts	24 Volt NiCad		J2409 = 9 Watts	
	120 = 120 Watts	100 = 100 Watts		J2418 = 18 Watts	
	140 = 140 Watts	200 = 200 Watts		24 Volt Halogen Wedge Base/Bi-Pin Lamps	
	160 = 160 Watts			J24H12 = 12 Watts	
	180 = 180 Watts			J24H20 = 20 Watts	
	360 = 360 Watts				
	24 Volt Lead Calcium				
	280 = 280 Watts				
	360 = 360 Watts				
				Accessories² (Field Installed)	
Notes				WG-7 = Wire Guard, 27-72W (Back Mount)	
¹ 6 Volt or 12 Volt Only				WG-A = Wire Guard, 100-360W (Back Mount)	
² Order as separate line item				XG-EL90 = Poly Guard, 27-72W (Back Mount)	

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 lamps ranging from 5 to 20 watts.

ELECTRICAL

Input

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

Sealed Lead Calcium Battery

Exitronix sealed lead calcium batteries are maintenance-free.

Nickel Cadmium Battery - NiCad

Exitronix sealed nickel cadmium batteries are maintenance-free.

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.

OPTIONS

Assembled in the USA (Option: USA)

Can be produced or transformed to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions.

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 meets or exceeds: NEC requirements and NFPA 101.

MODEL RATING GUIDE

Model	Volts	Wattage (Minutes)				Cabinet
		90min	120min	180min	240min	
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-24-360	24	360	270	180	135	3