

WNG-3131 - BACnet IP Gateway



Project Name: _____
Part Numbers: _____ Date: _____

Features

- Can be used to incorporate a Dialog Lighting Control system into a Management Control Network that uses BACnet technology.
- Communicates BACnet IP Technology. All BACnet vendors using standard BACnet IP protocol can communicate with the WNG-3131.

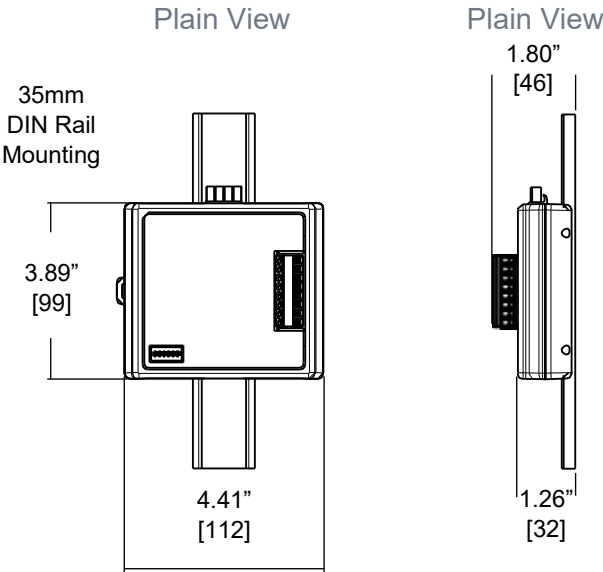
Nominal input power is a single phase, 24VAC, 60Hz Class 2 circuit. Control power load shall be no greater than 24 watts. All gateway units shall survive, without damage or malfunction, input voltage swings of -10% to +25% (21.6 through 30VAC). All gateway units will be functional with a ground referenced or floating input power circuit.

Typical Applications: The WNG-3131 streamlines the inclusion of a Dialog lighting controls system into a larger BACnet IP network and significantly reduces the time required to integrate the lighting controls network into the larger network. After integration, network management and group programming will still be performed by the Dialog lighting control system. The WNG-3131 Gateway works with Dialog and allows the programming of the groups to be easily accomplished using the user friendly Dialog system interface.

PART NUMBER	DESCRIPTION
WNG-3131	BACnet IP Gateway

Dimensions

Inches [mm]



Technical Details

SAFETY	<ul style="list-style-type: none"> • Suitable for mounting within low voltage compartments of UL508A enclosures
EMI/RFI	<ul style="list-style-type: none"> • FCC47 CFR Part 18, Non-Consumer Limits
ENVIRONMENT	<ul style="list-style-type: none"> • -15°C to 50°C • 40°C ambient, while mounted in an enclosure with a 10°C cabinet rise. • Storage Temperature -25 to 55°C • 10% to 95% relative humidity, non-condensing
WARRANTY	<ul style="list-style-type: none"> • Standard 5-years

BACnet Object List

Function		Type		Values
Individual Relay	Status (256)	Multi-State Inputs	(Read Only)	1 = Off
		MI 1152-1407		2 = On
	Control (256)	Multi-State Values	(Read / Write)	3 = Not Used
		MV 1152-1407		1 = Off
			2 = On	
			3 = No Action	
Individual Dimmer	Status (256)	Analog Input	(Read Only)	% Percent (0-100%)
		AI 0-255		
	Control (256)	Analog Values	(Read/Write)	% Percent (0-100%)
		AV 0-255		
Group	Status (128)	Multi-State Inputs	(Read Only)	1 = Off
		MI 0-127		2 = On or Mixed
	Control (128)	Multi-State Values	(Read/Write)	3 = Not Used
		MV 0-127		1 = Off
			2 = On or Mixed	
			3 = No Action	
Local Preset	Status (512)	Multi-State Inputs	(Read Only)	1 = Does Not Match Preset
		MI 128-639		2 = Match Preset
	Control (512)	Multi-State Values	(Read/Write)	3 = Not Used
		MV 128-639		1 = No Action
			2 = Active Preset	
Global Preset	Status (512)	Multi-State Inputs	(Read Only)	1 = Does Not Match Preset
		MI 640-1151		2 = Match Preset
	Control (512)	Multi-State Values	(Read/Write)	3 = Not Used
		MV 640-1151		1 = No Action
			2 = Activated Preset	
Local Photo Sensor	Status (64)	Analog Input	(Read Only)	0-65535 LUX
		AI 256-319		
Global Photo Sensor	Status (64)	Analog Input	(Read Only)	0-65535 LUX
		AI 320-383		
Occupancy Sensor	Individual Ctrl Status (256)	Multi-State Input	(Read Only)	1 = Unoccupied
		MI 1408-1663		2 = Occupied
	Group Ctrl Status (128)	Multi-State Input	(Read Only)	3 = Not Used
		MI 1664-1791		1 = Unoccupied
	Local Preset Ctrl Status (512)	Multi-State Input	(Read Only)	2 = Occupied
		MI 1792-2303		3 = Not Used
			1 = Unoccupied	
			2 = Occupied	
			3 = Not Used	