Technical WNG-3131 BACnet IP Gateway

PART No.	DESCRIPTION
WNG-3131 BACnet IP Gateway	• The Douglas WNG-3131 IP Gateway can be used to incorporate a Dialog Lighting Control system into a Management Control Network that uses BACnet technology. • The WNG-3131 communicates using BACnet IP Technology. All BACnet vendors using standard BACnet IP protocol can communicate with the WNG-3131.

SPECIFICATION

Power
- 24VAC is required for power.
- Signal draw: 15mA.

Safety
- Suitable for mounting within low voltage compartments of UL508A enclosures

EMI/RFI
- FCC47 CFR Part 18, Non-Consumer Limits

Temperature
- -15° to 50°C
- 40°C ambient, while mounted in an enclosure with a 10°C cabinet rise.
- Storage Temperature -25 to 55°C

Humidity
- 10% to 95% relative humidity, non-condensing

Low Voltage Connections

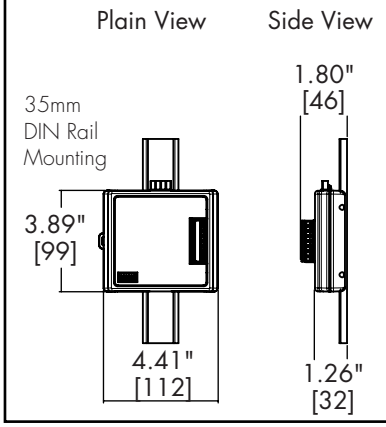
24 VAC Hot	1
24 VAC Rtn	2
Dialog+	3
Dialog -	4
Ethernet Port	RJ45

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.

Electrical Connections & Electrical Ratings

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.

DIMENSIONS & MOUNTING



BACnet Object List

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