



IP Lighting Controller

EFFECTIVE CONTROL

Intelligently control lighting within your building with IP Technology.

COST SAVING DEVICE

Low cost single cable deployment via a Category 5e or Category 6 data outlet – providing both power and data to the unit with a single cable.

BROWSER CONFIGURATION

AUTOMATED TESTING

Schedule Emergency Lighting tests and with Netgenium PolicyServer

Netgenium IP Lighting Controller
ALC0808-IP(P) Pluggable
ALC0808-IP(W) Wireable



Overview

The Netgenium ALC0808-IP is a Pure IP Lighting Controller providing the capability to control up to 8 lighting circuits with a maximum overall load of 16 Amps.

Outputs

The outputs of the ALC0808-IP(P) are presented on Wieland 6-pole GST sockets, providing Live, Neutral & Protective Earth. Two of the outputs have an additional Maintained Live and all eight outputs have a separate DSI output to support dimmable ballast luminaires.

The Maintained Lives are independently switchable via separate contactors within the unit, enabling manual or automatic backup battery performance testing using Netgenium PolicyServer (requires luminaire brightness sensor).

Luminaires with pre-wired Wieland GST leads can be connected directly to the unit. Luminaires with HFR ballasts and/or emergency batteries are connected via 6-Pole plugs; Luminaires with non-regulating ballasts are connected via 3-pole plugs.

The ALC0808-IP(W) offers the same functionality as above, with a wireable housing. Access to the housing is via 20mm 'knockout' conduit entries.

Inputs

Each unit supports eight analog and eight digital inputs presented on 4 way Wiedmuller type pluggable terminal blocks for support of standard movement detectors and light/temperature sensors. A 12 VDC output is supplied to power PIR's etc.

Diagnostics

Each Unit offers localized diagnostics via an eight way two-colour LED and keypad to show the status of each output. Comprehensive remote diagnostics are available via the Web Browser interface.

Connectivity

The unit connects to the Ethernet network via a standard RJ45 Category 5e/6 socket. Power over Ethernet is optional with the unit. If PoE is used, the unit will report power outages via PolicyServer. All mains terminations are via Wiedmuller type screw terminals.

Safety

Each unit has a fuse, protecting the unit from short circuit. If the PoE operation is used, the unit can report blown fuse and/or loss of input power.

Technical information

Connectivity

802.3 Ethernet (802.3af optional)
10/100 Mbits/sec FDX/HDX
RJ45 Category 5e/6 Patch cord

Mains Input

230VAC input +/- 10%; 50Hz
2No. Wieland GST18-3 connectors (In & Loop Out)

Outputs

Switched Load	3680VA(per output – 8No.); any type of load
Maintained Load	3680VA(per output – 2No.); any type of load
Maximum Total Load	Depends upon fusing of primary mains circuit: -16A (total) for fused circuits -20A (total) for circuits protected with MCB Type B or C
DSI	12VDC (250mA max) 1200 baud independent PSU
Connection	6-Pole Wieland socket (2 x GST 18-3); plugs supplied with luminaires

Inputs

Digital	Closed or Opened contact (closed to logic 0V) Unit can sense open or close state change
Analog	0-12VDC input
Power Out	12VDC(250mA max)
Connection	4-Pole Wiedmuller type stackable header (2x16 way on unit); Plugs supplied with sensors (1-0v, 2-DG_IN, 3-AN_IN, 4-12VDC)

Sensors

Digital	PIR, Switch(latching or retractive), any 'no-volt' contacts between 0V & DG_IN
Analog	0-12VDC range, recommended Netgenium Sensors (Ambient Light, Temperature, Humidity), must use units 12VDC power

Indicators & Diagnostics

Outputs	8No. Two-colour LED (for Dim & Full On) 2No. Red LED for Maintained Outputs.
Local Diagnostics	Touch sensitive keys on unit to switch outputs On, Off & Dim.

Housing

Material	1.2mm mild steel powder coated, fully earthed.
Mounting	Via 2No. Screw-on brackets, providing 4No. slot holes (fixings supplied)
Weight	1500gr. (approx)

Safety

Housing	Protection to IP20
Insulation	sensors – double insulation (5.4kV) towards mains regulation – basic insulation (2kV) towards mains
Ballasts / Dimmers	Connected regulating ballasts and dimmers must have at least basic insulation (2kV) towards connected mains

EMC Compliance

Immunity	EN61547
Emission	EN55015, EN55002 ClassA

Environmental Conditions

Operating Conditions	
Temperature	+5 to +45 deg. C
Rel. Humidity	15% to 90% none condensation
Storage Conditions	
Temperature	-40 to +70 deg. C
Rel. Humidity	5% to 95%



IP Devices
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