

NGP-1200-U Universal Series IO

Overview

The Lenel NGP Output Control Module (OCM) communicates directly with the NGP Controller by 2-wire RS-485 communication. Each OCM is an individually-addressed device, and counts as a single device on all Intelligent System Controllers.

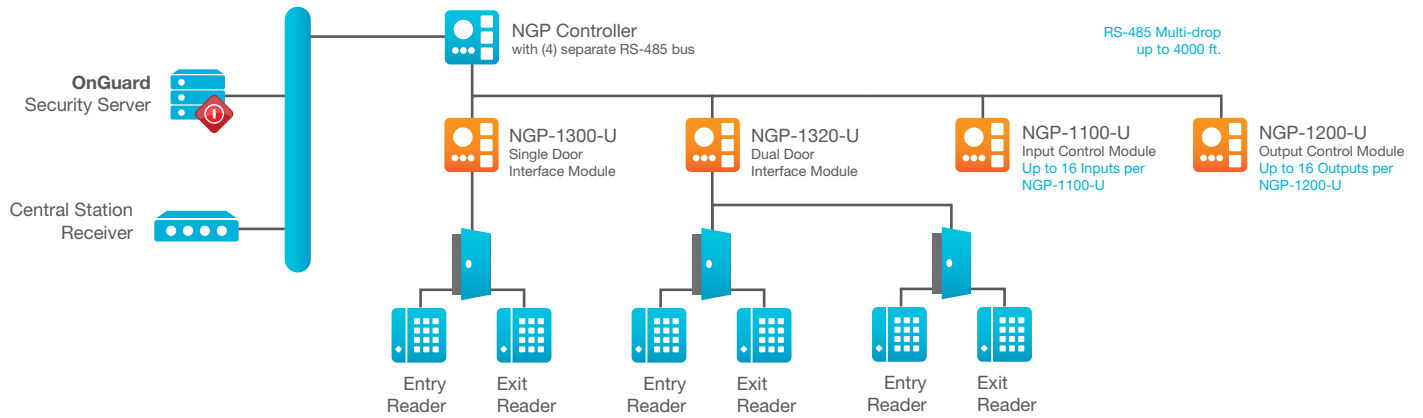
The OCM can be operated by either 12 or 24 VDC power. Each OCM includes dedicated tamper and power failure input contacts.

The OCM has 16 programmable output relays that can be configured for fail-safe or fail-secure operation. Each relay supports the “On,” “Off,” and “Pulse” Lenel OnGuard software commands.



FEATURES & FUNCTIONALITY

- 16 Form-C 5 A, 30 VDC contacts for load switching
- 12 or 24 VDC input power
- 2 dedicated digital inputs for tamper and power failure status
- RS-485 communication, multidropped (2-wire RS-485)
- On-board termination jumpers
- Status LEDs for communication to the host, heartbeat and relay status



Power Supplies & Enclosures

LNL-AL400ULX	Lenel UL-listed 4 A, 110 VAC power supply - 12VDC 4A output, 120 VAC input, continuous supply current with enclosure (12 x 16 x 4.5 in. / 305 x 406 x 114 mm), lock and open frame transformer, tamper switch, UPS-capable (battery optional), UL-listed
LNL-AL600ULX-4CB6	Lenel UL-listed power supply - 12VDC 6A output, 120 VAC (1.6 A) input, continuous supply current with enclosure (18 x 24 x 4.5 in. / 457 x 610 x 114 mm), lock and open frame transformer, tamper switch, UPS-capable (battery optional), UL-listed
ABT-12	Battery Kit - 12VDC, 12 AH battery (PS-12120)
LNL-CONV-1U	Metal adapter plate to mount single full-size Universal Series IO Board (NGP-1100-U, NGP-1200-U, or NGP-1320-U) in any CTX enclosure, maximum two per LNL-CTX enclosure or maximum six per LNL-CTX6. Dimensions 8.1" x 6".
LNL-CONV-2U	Metal adapter plate to mount a two LNL-1300 or NGP-1300-U in any CTX enclosure, maximum two per LNL-CTX enclosure or maximum six per LNL-CTX6. Dimensions 8.1" x 6".

Specifications

Primary Power (DC)	The OCM is for use in low voltage, power-limited, class 2 circuits only.
DC Input	12 to 24VDC + 10% - 805 mA @ 12VDC nominal - 407 mA @ 24VDC nominal - 33 BTU/hour
Relay Contacts	16 Form-C contacts: 5A @ 30VDC
Environmental	
Temperature	Operating: 14 to 158° F (-10 to +70°C) Storage: -40 to 185°F (-40 to +85°C)
Humidity	10% at 93°C (199°F) non-condensing operating, 10 to 95% at 85°C (185°F) non-condensing storage
Mechanical	
Dimension	5 x 8 x 1.25 in. (127 x 203 x 32 mm)
Weight	12.2 oz. (346 g) nominal
Approvals	UL 294 and 1076-listed, FCC Part 15 Class A, CE-marked, RoHS compliant, C-Tick 22193, s319, WEEE

Cable Requirements	
Power	18 AWG, 1 stranded twisted pair
RS-485	24 AWG, 120 ohm impedance, stranded twisted pair with shield, 4000 feet (1219 m) maximum
Inputs	1 stranded twisted pair per input, 30 ohms maximum
Outputs	As required for the load

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Specifications subject to change without notice.

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