Square D® Clipsal® Analog Output Unit

Front view of Clipsal Analog Output Unit

The Square D® Clipsal® Analog Output Unit provides four channels of analog 0-10 V DC that can be used as the control signals for various peripheral devices, including electronically dimmable fluorescent lighting ballasts.

This analog output unit can sink or source current as appropriate for the connected load, and produces 0-10 V in response to commands from the C-Bus network.

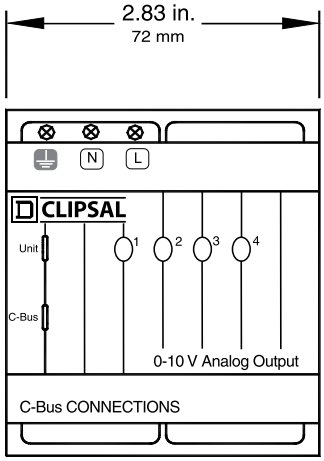
Each channel can be individually turned ON or OFF at the unit or by C-Bus commands, and each can drive multiple loads. All channels also can be turned ON or OFF remotely without C-Bus network communication.

Features

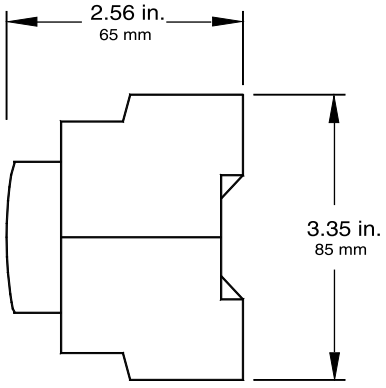
- Produces four independently controllable channels of 0-10 V DC for controlling dimmable lighting ballasts or other loads
- Each channel can sink or source current and drive multiple loads
- Two RJ-45 connectors facilitate quick connections to the C-Bus network and between similar units
- Individual channels can be turned ON/OFF at unit, via C-Bus commands, and through a remote override option
- Unit and C-Bus LEDs show the status of the unit and the network
- Non-volatile memory stores operating status for recovery from a power outage
- 120 V or 277 V AC models available

Distributed Intelligence

- Compatible with all Clipsal devices and the Powerlink® NF3000G3C controller
- Easily configured by using Learn Mode or the C-Bus™ Toolkit Software and a personal computer connected to the C-Bus network



Front view of the analog output unit



Side view of the analog output unit

Specifications

Analog Output Unit	
Power Requirements	C-Bus: 15–36 V DC @ 22 mA required for normal operation. Power: 120 V or 277 V AC connection, 10 W
Number of Units per Network	Use the C-Bus Calculator, a software utility, to determine the total network current load
Electrical Isolation	3.5 kV RMS from C-Bus to the line
Output Voltage Range	0-10 V DC (±0.5)
Output Rating	• Sourcing: 2.5 mA (minimum of 4 kohm) • Sinking: 15 mA at V_{out} = 0 V, 8 mA at V_{out} = 10 V [i.e., I = 15-(0.7 x V_{out})mA]
Status Indicators	• Unit: Unit power • C-Bus: Network voltage level and presence of system clock.
C-Bus Connection	(2) RJ-45 terminals
Cable	(1) 15.75 in. (400 mm) CAT 5 patch lead with pre-terminated RJ-45 connectors
Output Terminals	Accomodates 2 X 16 AWG or 1 X 12 AWG cable (2 x 1.3 mm² or 1 x 3.1 mm²)
Mounting	DIN rail, 4M wide
Dimensions	3.35 in. (L) x 2.83 in. (W) x 2.56 in. (D) [85 mm (L) x 72 mm (W) x 65 mm (D)]
Weight	8.64 oz (245 g)
Operating Environment	• 32˚F to 122˚F (0˚C to 50˚C) • RH: 95%, noncondensing
Standards	• UL: Listed 916 Energy Management Equipment • CSA 22.2 Spec 205 Signal Equipment • FCC: Part 15.101, Class B Digital Device • EN61000-4-2 Immunity to ESD

Order Information

Description	Catalog Number
Analog Output Unit, 0-10 V, 120 V	SLCLE5504TAMP
Analog Output Unit, 0-10 V, 277 V	SLCLE5504HAMP

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