



Configuration:

CLS1 Installation Loop Driver (3.5 Amps)

Product Overview:

The CLS1 is a professional installation loop driver capable of driving loop areas in excess of 2,150 sqft. (200 m²) with an unsurpassed clarity of sound for both music and speech for superior intelligibility. Designed for simple discrete installation, the CLS1 offers the most cost effective and capable solution in its class. The driver is very compact and designed specifically for wall mounting. All connections and controls are secured behind a tamper resistant, hinged, detachable cover. Combined with its small size, the range of mounting and cabling options ensure that installation is convenient and tidy in any environment. Input options are comprehensive, with three independent inputs for balanced microphone, balanced and unbalanced line, low impedance and 100 V line speaker systems.

Highlights:

- Area coverage to 2,150 sqft. (200 m²)
- Designed for simple discrete installations
- Simple and fast installation
- Wall mounted
- Low lifetime cost
- Excellent proven reliability
- 5-year warranty
- Unparalleled sound quality and intelligibility
- Speech optimized gain control
- Metal loss corrector corrects frequency dependent loss from metal structures
- Extensive input adaptors available for any audio input requirements

Includes:

- One (1) CLS1 Installation Loop Driver (3.5 Amps)
- One (1) Handbook and Installation Instructions
- One (1) "T" Logo Installed Adhesive Sign - Large (11.7" x 8.3")
- One (1) P-clip, Nut and Washer

Product Specification: Installation Loop Driver (3.5 Amps)	
Audio	
Frequency Response	80 Hz to 6.5 kHz ± 3 dB
Distortion	THD+N < 0.2 %, 1 kHz Sine Wave at Full Current
AGC	Optimized for Speech, Dynamic Range > 36 dB
Controls	
Gain Control	Front recessed input level control
Metal Loss Correction	Correct system frequency response due to metal structures
Cooling	Natural Convection
Indicators	
LEDs	AGC is Activated, Loop Current, Power
Drive Current Indication	LED

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Interconnections	
Loop Connector/s	Screw Terminal
RF	
Input/s	Input 1: Balanced Mic/Line (-73/-31 dBu), 12 VDC Phantom Power, Input 2: Balanced Line (-33 dBu), Input 3: Isolated 100 V/ Low Impedance Mono/Stereo Speaker, Input Impedance (Ohms) 120k, 120k, 7.8k, Min Level (dBu) +14/+14/-9, Max level (dBu) +47/+47/+27
Loop	
Perimeter Loop - Coverage	1:1 Aspect Ratio - 1,290 sq ft. (120 m ²), 2:1 Aspect Ratio - 1,615 sq ft. (150 m ²), 3:1 Aspect Ratio - 2,150 sq ft. (200 m ²) Condition 1 - Loop must be 3-6 ft. (1-2 m) above or below the receiver height, Condition 2 - There should be no metal structures in the plane of the loop, Condition 3 - There must be sufficient voltage to drive the loop
Power	
Compliance	ETL Listed
Power	230/115 VAC, 30W, 45-65 Hz, Connected via Chassis Screw Terminals
Drive Voltage	6.4 V (RMS) at Maximum Output Current
Drive Current	3.5 A (RMS), 5.0 A (Peak) with 1 kHz Sine Wave
Drive Current Peaks	Short Term > 7 A
Input Power Fuse	T250 mA
Physical	
Width	7.9 in. (200 mm)
Height	1.7 in. (44 mm)
Depth	7.9 in. (200 mm)
Shipping Weight	5.1 lbs. (2.31 kg)
Mounting	Vertical Panel Mounting
Cable Length	10 AWG - Max distance at full current - 357 ft. (109 m), 14 AWG - Max distance at full current - 330 ft. (101 m), 18 AWG - Max distance at full current - 224 ft. (68 m), 22 AWG - Max distance at full current - 125 ft. (38 m), FB1.8 - Max distance at full current - 436 ft. (133 m)
Weight	4.0 lbs. (1.81 kg)
Environmental	
Relative Humidity	IP20 Protection, 20 to 90% Relative Humidity, 32 F (0 C) to 95 F (35 C)