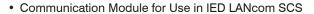


LC331IC Series

Integrated Communications

Module

Features



- Integrates Paging, Intercom, and Emergency Systems
- · 2 Watt, 25V Amplifier
- Built-In Microphone for Full-Duplex Intercom Function
- Two Relays for Clock Synchronization and Contractor Defined Functions
- · Handset for Private Intercom Calls
- · Up to Four Call Switch Functions
- Wall or Ceiling Mount Styles; Mounts In a 3-Gang Deep Electrical Box
- Connects to IED LANcom SCS by Ethernet Using CAT5e or better cable with RJ45 connector
- User Interface is PC Based Software for Ease of Use and Installation
- No External Knobs or Switches
- CobraNet Digital Audio for Program Channels and Intercom
- CD Quality Audio for Improved Intelligibility
- Uses IED Power Injection to Provide Required DC Voltage via Ethernet Cable for Operation

LC331IC-W

Description

The LC331IC Integrated Communications Module is an integral part of the IED LANcom SCS that provides basic program distribution and intercom communication functions. The LC331IC uses a single CAT5e or better (with RJ45 connector) Ethernet connection for power, control data and digital audio signals In and Out. It receives its power from an IED LANcom SCS Power Injector, typically located in the telecommunications closet. Peripheral devices, such as call switches and loudspeakers are connected using RJ45 or Phoenix/Euro block terminal connectors.

The built-in microphone and on-board 2 Watt, 25V amplifier provides a single-point solution for room program distribution, bells, and paging as well as full-duplex intercom. Program selection and audio levels are controlled using a web interface on a classroom or staff computer.

The LC331IC has two Form C relays. Relay 1 default configuration is for clock synchronization while Relay 2 may be programmed for other functions.

Call-in switches may be connected to provide up to four different functions including normal call, emergency call, and others. Call switches are available with one or two push buttons on a one-gang plate.

Mounting Options

The LC331IC is available in two styles – wall mount and ceiling. Both fit in deep 3-gang wall boxes. The wall mount version fits in a rectangular oversize 3-gang plate and the ceiling version comes with an 8-inch diameter circular plate to cover the box and its cutout while hiding any off-square irregularities from the installation.

Models

LC11CS

LC331IC-W	Wall Mount Version in 3-Gang Deep Plate
LC331IC-C	Ceiling Mount Version in 3-Gang Deep with 8" Circular Plate

Related Products

LC12DCS	Dual Call Switch
LC21HS	Intercom Handset
LC41PI	48V x 1-port DC Power Injector
LC48MPI	48V x 8-port DC Power Injector
LC3000SW	LANcom SCS Software

Call Switch



Specifications

Mechanical LC331IC-W (171.5mm W x 123.8mm H 62.2mm D) LC331IC-C Dimensions8" Diameter x 2.45" D (203mm Diameter x 62.2mm D) **Connectors** Ethernet/PowerRJ-45 CAT-5e or better Call Switch RJ-45 (x2) CAT-5 or better Intercom HandsetRJ-45 CAT-5 or better Speaker Out, Mute In......4-pin Euroblock Relay Outputs 6-pin Euroblock **Mounting Methods** Wall Installation Oversized 3-gang plate Ceiling Installation......8" diameter plate Mounting Box......3-Gang Deep Box Recommended Electrical BoxSteel City H3BD 3/4 1 box with 3-GC cover **Electrical** Power48 VDC, 1.4A max, provided via Ethernet data cable Speaker Output **Handset Output** Maximum Output Level +6dBu S/N 102 dB

Contacts Form C
Nominal Switching Capacity (resistive load) 2A@ 30VDC

Architect & Engineering Specifications

The Integrated Communications Module (ICM) shall be utilized in classrooms not requiring amplification of the teacher's voice and/or classroom audio sources. The ICM shall be a full-duplex bidirectional audio interface (intercom) with omnidirectional microphone, preamplifier, 2-watt (25-volt output) loudspeaker amplifier and request-to-speak control. The ICM shall provide for selection of one of four program channels and adjustment of the sound level by web-interface and shall provide for bell signals, paging and emergency announcements. Program, paging, bell and all intercom and announcement signals shall have CD-quality audio and shall be distributed to the ICM using CobraNet technology over Ethernet. Two form C relays shall provide clock synchronization or other pre-configured functions. A logic input shall be provided for mute function. The ICM shall mount on a standard 3-gang electrical box. It shall utilize an 8-inch round mounting plate for ceiling installations and an oversized 3-gang plate for wall installations. The ICM shall be powered by the LANcom Power Injector, located within remote telecommunications closets or communications rooms and connected by CAT5e or better cable. Connections to call switches and intercom handsets shall be by RJ-45 type connectors and shall utilize CAT5 or better cable. Connection for loudspeaker, relay outputs and local mute input shall be by Euroblock connectors. The Integrated Communications Module shall be the LANcom LC331IC-W or LC331IC-C.

Relay Outputs

0.5A@125VAC

