

INSTRUCTION/INSTALLATION SHEET Selective Call Intercom Room Unit

IS-0386 REV. A

1. Introduction

The On-Q/Legrand Selective Call Intercom Room Unit, PN IC5000-XX (see **Figure 1**), is a critical component of the On-Q Selective Call Intercom System. Using the intuitive Graphical User Interface (GUI) provided via the color Liquid Crystal Display (LCD), it provides both basic intercom communications functions such as talk, talk to door, monitor, mute, and advanced functions such as dynamic sorting of users or monitoring multiple rooms at the same time. The Room Unit GUI provides the only means to custom configure, or personalize, the On-Q SCI Intercom System. The Room Unit is available in white (-WH), light almond (-LA), gloss black (-GB) and titanium (-TI).

2. Description

The Selective Call Room Unit is a two-gang decorator-style product that connects to the Selective Call Distribution Module in the enclosure via a single Cat 5e cable.

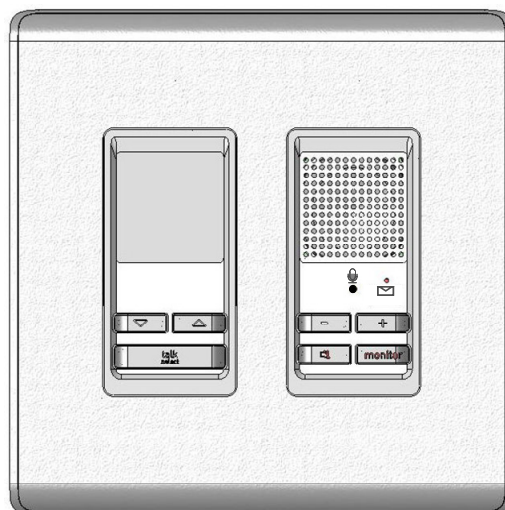


Figure 1

3. Installation

Installation of the Selective Call Room Unit is best accomplished at multiple times during new construction, at "Rough-in" before the drywall is installed, and at "Trim-out" after the drywall is installed and painted.

A. "Rough-in" steps:

To provide optimal display quality of the LCD on the Room Unit, the two gang box that it is mounted in should be located for eye level operation (see **Figure 2**). The bottom of the two gang box should be approximately 56" from the floor.

1. Run a Cat 5 cable from the Enclosure where the Selective Call Intercom Distribution Module will be installed to the 2 gang deep electrical box at the Room Unit location.

NOTE: It is important to keep all Category 5e cable runs, regardless of use, at least 12 inches away from AC electrical cables. If it proves necessary to cross an existing AC cable, do so only at a 90 degree angle.

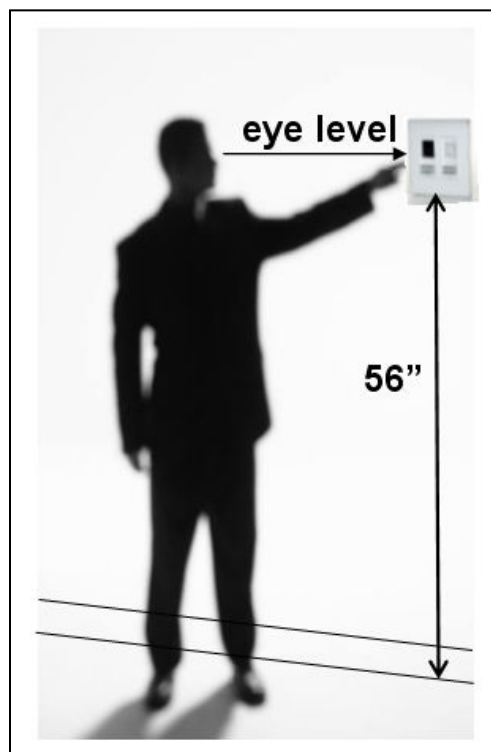


Figure 2

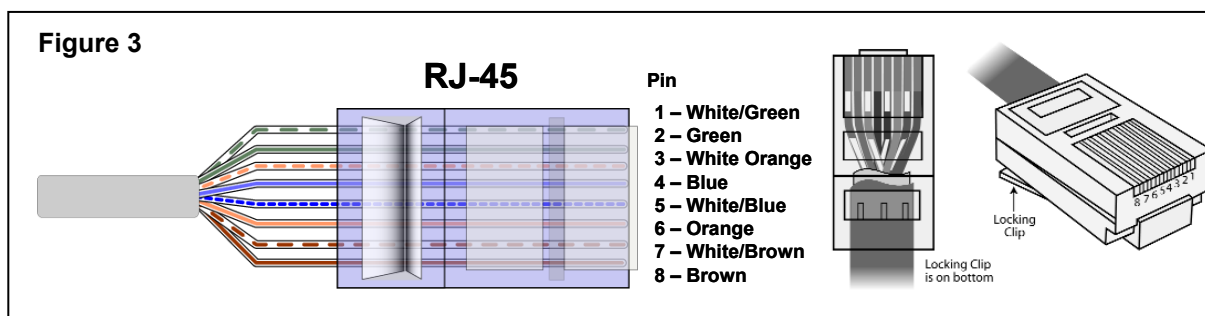
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B. "Trim-out" steps:

NOTE: All terminations can be correctly completed by following the T568A pin assignments. It is important that you accurately terminate using T568A at all locations. The Selective Call Intercom System uses RJ45 plugs for all terminations on the Modules, the Room Units, the Door Units and Patio Units. Refer to *Figure 3* for correct T568A termination for RJ45 plugs.



1. As shown in *Figure 4*, label and terminate an RJ45 plug on the Cat 5 cable from the Selective Call Intercom Module and attach it to the RJ45 jack on the rear of the Room Unit. Follow the T568A standards described in *Figure 3*.
2. Insert the Selective Call Room Unit in position and the Cat 5 cable into the 2 gang box and secure the unit to the box using the 4 included panhead screws. If using the included screwless wallplate option, install mounting plate to Room Unit using 4 flathead screws and snap on the wall plate cover.
3. Terminate the other end of the Cat 5 cable, at the Selective Call Intercom Module, with an RJ45 plug using the T568A wiring standard.
4. Insert the RJ45 plug into any of the eight ROOM UNIT jacks on the Selective Call Intercom Module in the enclosure.
5. After all Units and Modules are connected, apply power to the Selective Call Intercom Module and verify system functionality. All Selective Call Room, Door and Patio Units will be discovered and shown on each Room Unit LCD.

Mounting Box screw
location (4 places)

RJ45 jack

Wall Plate Mounting
Plate screw location
(4 places)

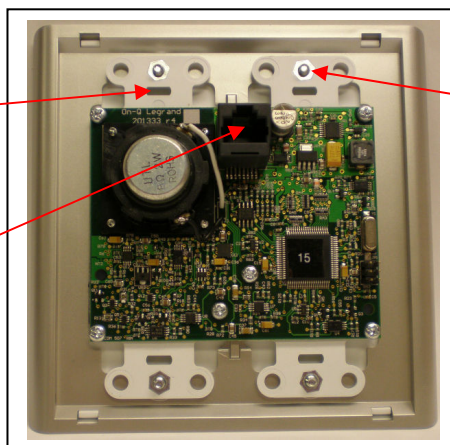


Figure 4

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4. Operation

Please refer to the Selective Call System Installation Manual (P/N 1308003) shipped with the Room Unit for more detailed instructions on how to use any Selective Call Room Unit to configure and personalize the Selective Call System. Refer to the Selective Call System User Manual (P/N 1308001) shipped with the Selective Call Module to familiarize yourself with the operation of the Selective Call Intercom System.

Figure 5

