

1. Introduction

The Legrand Selective Call Intercom Distribution Module (P/N IC5010) is a single bay module that supports the audio, power and control requirements of up to 8 units in any combination of Room, Door and Patio (see **Figure 1**).

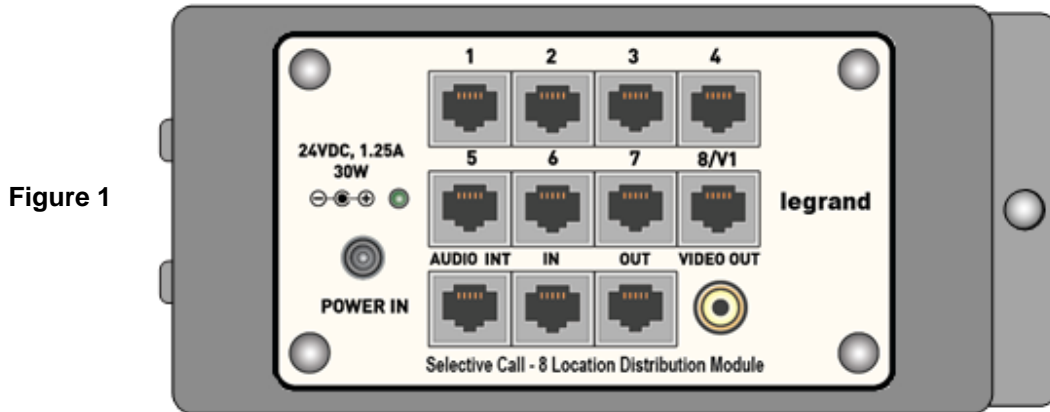


Figure 1

2. Description

The Selective Call Intercom Distribution Module is located in the enclosure and connected to each Room, Door and Patio Unit via a single Cat 5 cable. Up to eight units of any combination are supported by each module and modules may be cascaded three times, for a total system support of up to 32 Units. The RJ45 jacks labeled “1-8” are used for the various Units, with jack 8/V1 supporting Video Door Units. The jacks labeled “IN” and “OUT” are used for cascading modules. The jack labeled “AUDIO INT” is used to connect to the lyriQ™ Audio Distribution System to automatically mute the whole house audio when the Intercom system is utilized. The “VIDEO OUT” RCA jack is used to output images from a Video Door Unit. The Module comes with a single bay bracket for mounting in an On-Q style enclosure.

NOTE: The maximum Cat 5 cable run distance between the SCI Module and another unit (Module, Door, Patio or Room Unit) is 330’ with the following exception. One Door or Patio Unit may be placed up to 1000’ (up to 650’ for a Video Door Unit) from the SCI Module, but it needs to be locally powered and Legrand needs to be informed of and pre-approve this type of installation. If the Cat 5 run is buried in an underground conduit, it should maintain a 16” separation from any 110VAC wiring. Additional SCI Modules are recommended to be placed in the same enclosure, powered from the same power strip, and interconnected with the shortest Cat 5 connections possible.

3. Installation

Installation of the Selective Call Intercom Distribution Module 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.

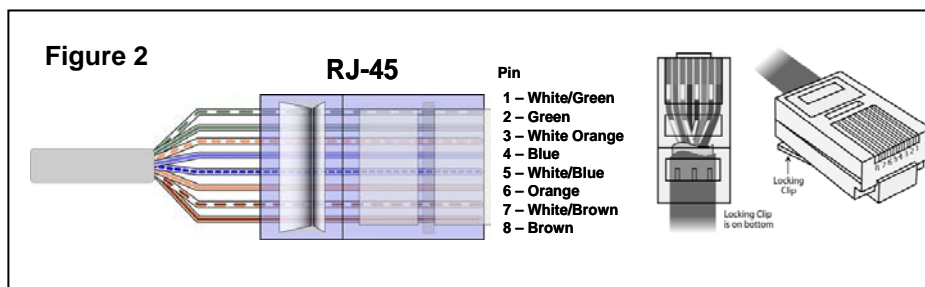
A. “Rough-in” steps:

1. Run a single Cat 5e cable from the Enclosure where the Selective Call Intercom Distribution Module will be installed to each of the 2 gang boxes at the eventual Room, Door and Patio Unit locations.

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.

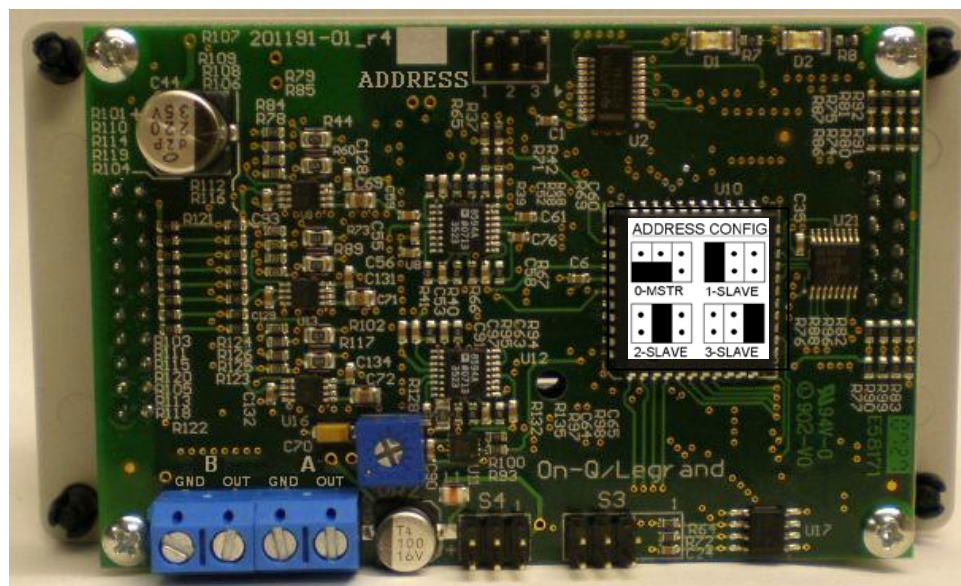
B. "Trim-out" steps:

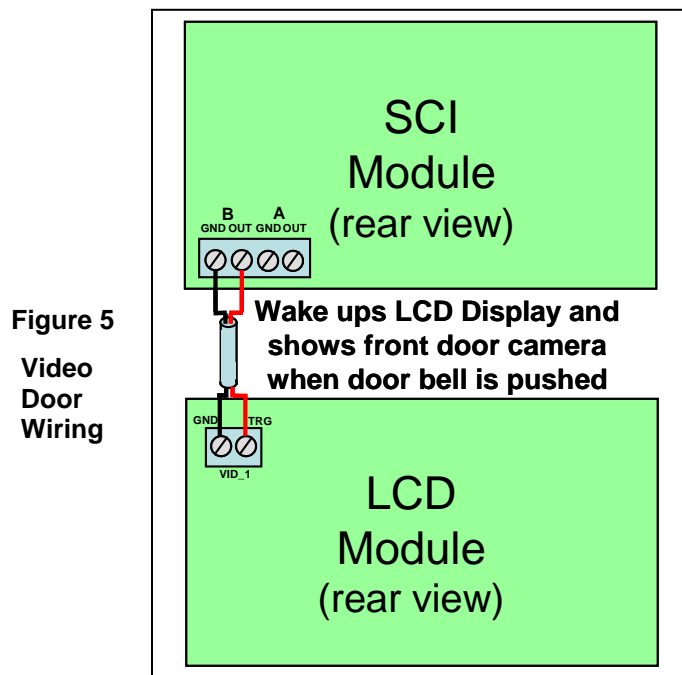
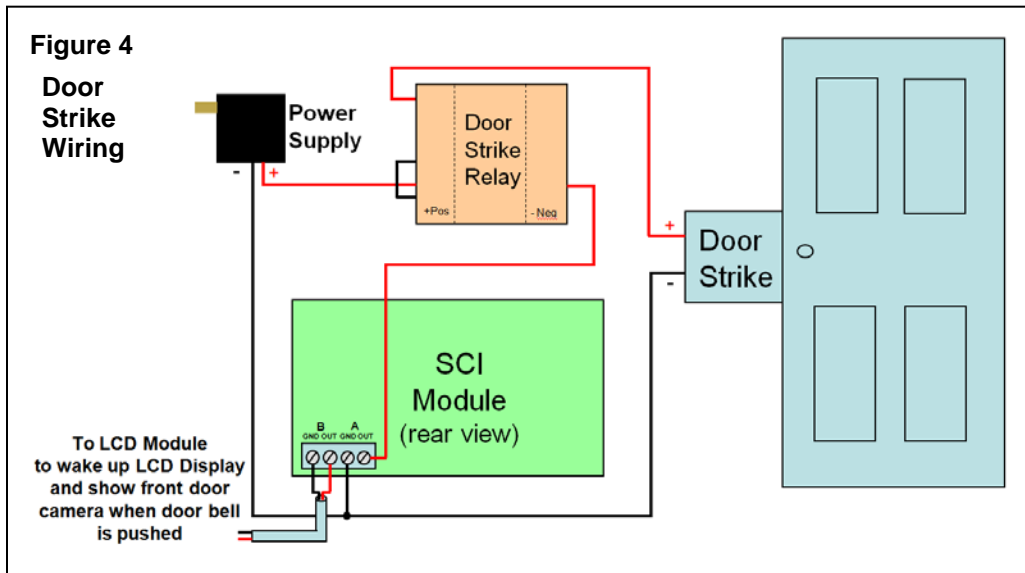
NOTE: All components in the Selective Call Intercom System use RJ45 plugs terminated to the T568A wiring standard. Refer to *Figure 2* for correct T568A termination for RJ45 plugs.



- As shown in **Figure 3**, there is an "ADDRESS" jumper block located at the top of the rear of the Selective Call Intercom Module. This jumper block is used to select the Master module, and up to three Slave modules when cascading Modules. Each Selective Call Module is shipped with the jumper in the Master position. Use the diagram to correctly position the jumper for multi-module systems.
- As also shown in **Figure 3**, there is also a four position terminal block located on the lower left corner of the rear of the Selective Call Intercom Module. These are Open Collector Outputs labeled "A" and "B" (ground and output connectors for each). At any Room Unit, you can configure the "A" Door Strike ("Release") and/or "B" Alert ("Trigger") outputs to be enabled or disabled. See **Figure 4** and **Figure 5** for an examples of the wiring associated with this terminal block.

Figure 3





3. Terminate the other end of the labeled Cat 5e cables, at the Selective Call Intercom Distribution Module, with RJ45 plugs using the T568A wiring standard and plug them into the appropriate RJ45 jack.
4. After all Units and Modules are connected, apply power to the Intercom Distribution Module and verify system functionality.

4. Operation

Figures 6 and 7 illustrate the use of the Selective Call Module in a 6 location and a 12 location home system. Note that **Figure 7** demonstrates the cascading of modules to increase the number of locations supported. **Figure 8** shows the Video Door Unit used with our LCD Display to see who is at the front door. Please refer to the Selective Call System User's Guide (P/N 1308001) 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 Installation Guide (P/N 1308003) shipped with the Selective Call Intercom Distribution Module to familiarize yourself with the installation of the Selective Call Intercom System.

