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SB008-SC

SCI – Triggering the Door Chime With an Integrated Door Sensor

I. Application/Purpose

This bulletin will detail the integration of a door sensor into the Selective Call Door Unit. The purpose of the application is to allow for the Selective Call Intercom door chime to ring when a door is opened in the house. This application can be used in situations where a Sales Agent in a model home would like to hear when someone enters the house as well as standard residential security applications.

II. Associated Part Numbers

IC5001 – Selective Call 8 Location Distribution Module
PW1030 – 24v 1.5amp Power Supply
IC5002-xx/IC5003-xx – Selective Call Door Unit/Selective Call Video Door Unit
IC5000-xx – Selective Call Room Station
Seco-Larm SM-300Q – Door Sensor for Open Loop (Third Party Device)

III. Explanation

The Selective Call Intercom Door Station has two sets of screw-down terminal inputs available on the back of the unit. These are normally open (contact closure) connections that allow the integration of a third party door chime as well as a door sensor. In this application we'll be using the sensor input to integrate into the Seco-Larm SM300-Q door sensor.

Connectivity is relatively straightforward as the Seco device has surface mounted screw-down terminals for normally open connectivity. Two wires/conductors should be run from the sensor device to the location of the door station installation. The positive or NO (normally open) output would connect to the positive/NO connection on the back of the door station. The negative or ground output from the Seco device would connect to the negative/ground connection on the back of the door station (See Figure 1 for full diagram).

No further connectivity or settings changes on the system are needed at this point. Once the connectivity is completed, the door sensor should be tripped which should automatically cause the Selective Call door chime to ring throughout all stations on the Selective Call Intercom System.

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Selective call intercom door unit

IC5002 or IC5003



Figure 1