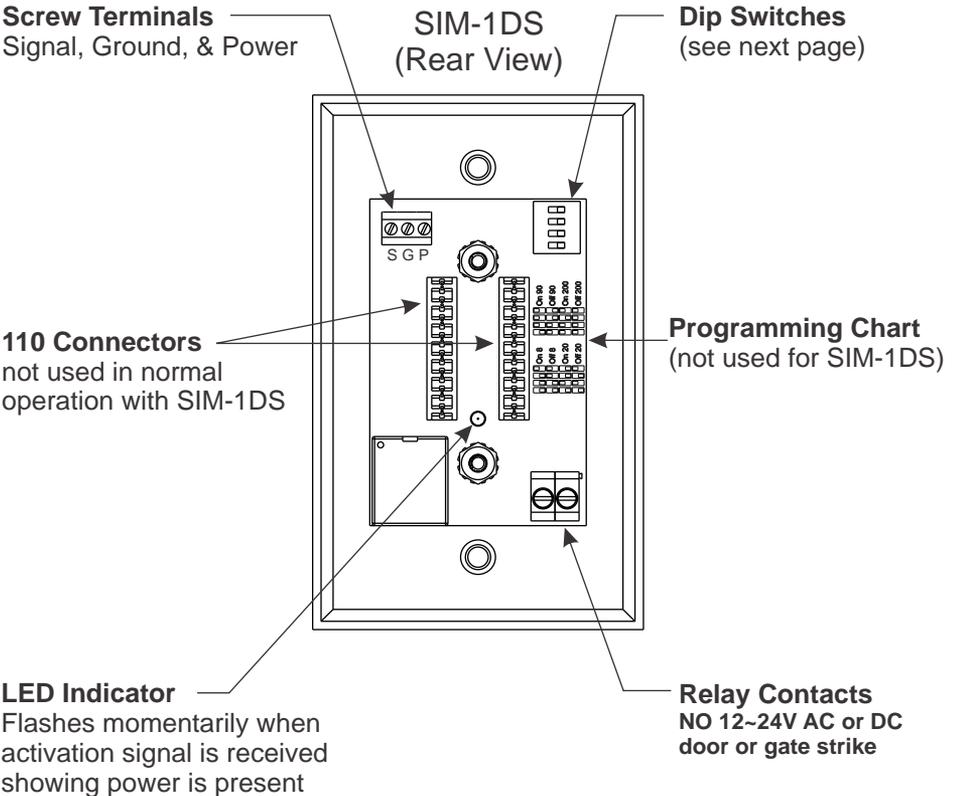


The **SIM-1DS** is a relay module that provides a contact closure whenever it is activated by the SIM-. The contact closure can be used to activate an electronic door strike mechanism or gate opener. This allows the homeowner to answer the door from any intercom station in the house and gives them the ability to unlock the door or open the gate with the press of a button.

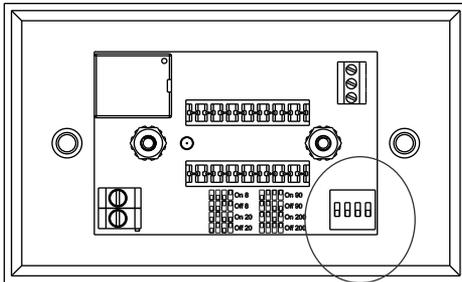
Features:

- ✎ Compatible with SIM series IP Intercom system
- ✎ Relay settings for N.O. Operation
- ✎ Variable relay times by SIM software
- ✎ Screw terminal connectors
- ✎ LED indicator for easy troubleshooting
- ✎ Mounts in a single-gang box



Setting the Dip Switches

There are four dip switches on the SIM-1DS that allow you to set the relay's operation. Use the programming chart in this manual ONLY to setup the operation of the relay. To choose the relay to activate as "Normally Open (N.O.), all dip switches are down. For time duration setting, use the intercom software in the access settings.



Dip Switch Position

Set all dip switches in the down position. This is the position which will cause the relay to operate as normally open circuit any time the door station call button is pressed.

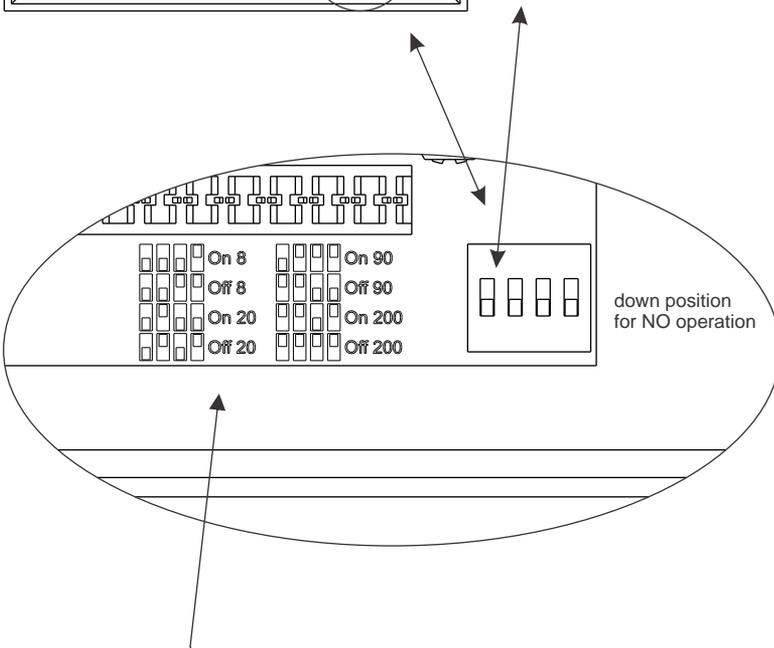
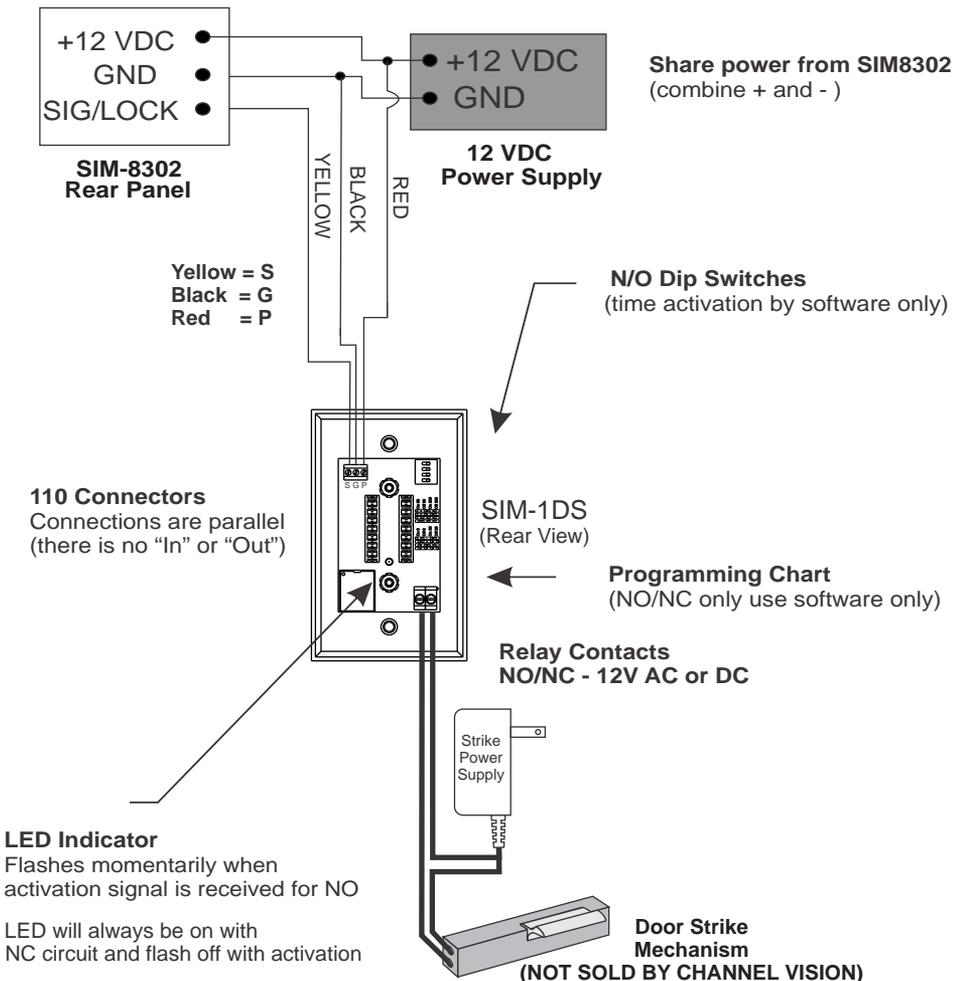


Chart is not used for SIM-1DS operation

Wiring Configuration

The SIM-1DS can be connected to the SIM-8302 IP Intercom by this way. The diagram below shows the most typical configuration in which the SIM-1DS is installed in-line between the SIM-8302 IP Intercom and the door strike mechanism.

When the code is inserted to the SIM-8302 and is accepted, it activates the relay module and releases the door strike mechanism. Relay time activation is set by internal software of SIM-8302



Troubleshooting

1. The electronic door strike or gate opener chatters but will not open when it's supposed to be open

It will more than likely be a low voltage applied to the strike. Verify 12 or 24 V DC or AC for power supply and strike. You can also test the power supply directly to the strike for proper operation.

2. The gate opener only operates for a short period of time (the gate only opens half way and then begins to close).

Some gate openers require the activation contact to be closed for the entire time it takes the gate to open. If the strike duration setting is too short the gate may not open completely. Using the internal software select a longer time period for the relay to operate. Review the "Setting the Access" section of the SIM-8302 manual for more details.

3. The electronic door strike or gate opener does not respond to commands to open.

- A) Check the LED on the back side of the SIM-1DS to verify that it is receiving a signal from the intercom system. If the LED does not light, double check the wiring between the SIM-1DS and the intercom system. 12 VDC and signal (yellow wire).
- B) If the LED on the back side of the SIM-1DS is lighting up, but door strike or gate opener is not responding; test by bypassing the SIM-1DS module. To do this, remove the wires from the relay contacts and touch them together momentarily. If this triggers the strike/gate system to operate there may be a problem with the SIM-1DS. Please contact Channel Vision Tech support for assistance.

If the opener system does not operate when the SIM-1DS is bypassed, please contact the manufacturer of the door strike or gate opener for assistance.

Specifications: (typical @ 25° C)

Operating Voltage : 12VDC

Max Current Through Relay: 10 Amps

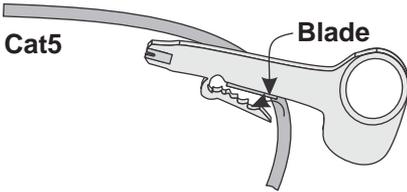
Cable requirements: CAT5 or 3-conductor 18-24AWG

Specifications subject to change without notice.

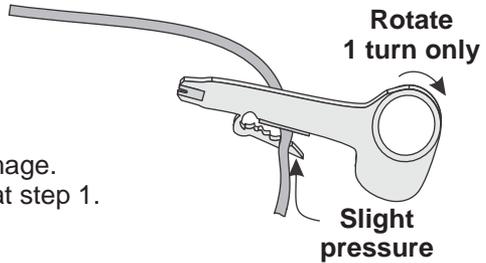
Stripping and Connecting CAT5 Wire

CAT5 cable should be stripped with a proper stripping tool, such as Channel Vision's J-110 tool.

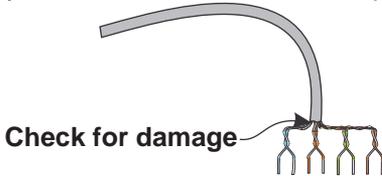
1. Place the CAT5 between the blade and the first notch of the J-110 tool.



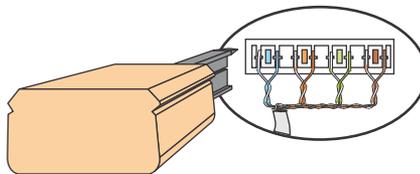
2. Rotate the tool only once around the CAT5. Multiple turns will cause you to cut into the inner wires.



3. Inspect the inner wires for damage. If any wires are cut start over at step 1.



4. Use any standard 110 punch-down tool to properly seat all wires. Note: Do NOT use a screwdriver or any other tool that is not specifically designed for terminating UTP cable. Using improper tools will damage the connector!





1 year limited warranty

Channel Vision Technology will repair or replace any defect in material or workmanship which occurs during normal use of this product with new or rebuilt parts, free of charge in the USA, for two years from the date of original purchase. This is a no hassle warranty with no mail in warranty card needed. This warranty does not cover damages in shipment, failures caused by other products not supplied by Channel Vision Technology, or failures due to accident, misuse, abuse, or alteration of the equipment. This warranty is extended only to the original purchaser, and a purchase receipt, invoice, or other proof of original purchase date will be required before warranty repairs are provided.

Mail in service can be obtained during the warranty period by calling 714-424-6500. A Return Authorization number must be obtained in advance and can be marked on the outside of the shipping carton.

This warranty gives you specific legal rights and you may have other rights (which vary from state to state). If a problem with this product develops during or after the warranty period, please contact Channel Vision Technology, your dealer or any factory-authorized service center.



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