



Multi-Station Remote Alarm

INSTALLATION AND OPERATION INSTRUCTIONS

Before Installing or Operating, Read and Comply with These Instructions

Controls Corporation of America
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June 2004
Supersedes June 2003

PART NUMBERS

529 5310

Multi-Station Remote Alarm 120 VAC version

529 5311

Multi-Station Remote Alarm 220 VAC version

DESCRIPTION OF PRODUCT

The Multi-Station Remote Alarm is set at the factory to operate at either 120VAC or 220VAC. It is capable of providing operating status for up to four CONCOA Autoswitch systems. The Multi-Station Remote Alarm provides power to each Autoswitch to operate the status indicator lights and the pressure switches.

An Autoswitch product that is configured with the alarm option is equipped with two pressure switch gauges, two sets of status indicators, and a power status indicator. A pressure switch gauge and one set of status indicators are used to monitor and report the state of the pressure for each side of the Autoswitch.

The front panel of the Remote Alarm consists of eight (8) status indicator lights, an “Alarm Silence” button, a “Test” button, and an audible Alarm. See Figure 1. In addition to the front panel, the right side of the Remote Alarm has a power ON-OFF switch and an IEC type connector where the AC power cable is connected. At the bottom of the Alarm are three (3) connectors where the Autoswitch, Serial Port and Output Devices are connected.

The Multi-Station Remote Alarm controls five (5) sets of relay contacts that are brought to the Output Connector so they may be used to control an external device.

The status indicator lights are organized into pairs representing the Left Bank and Right Bank of an Autoswitch System. When all configured systems are operating normally the status indicator lights will be green. If the pressure should drop below the preset value of the Autoswitch, the audible alarm will sound and the light corresponding to the specific Autoswitch Bank will turn from green to red. When this happens, two output relays will activate; the MAIN relay and the AUX relay connected to the system that had the alarm condition. The MAIN Relay will always activate whenever any of the AUX relays activates. It is sometimes desirable to silence the audible alarm prior to the alarm condition being fixed. Pressing the “Alarm Silence” button will accomplish this. The status indicator lights and the relays will remain activated until the alarm condition is corrected. If the second bank on the same Autoswitch generates an alarm while the first Bank is still in an alarm condition, the other status indicator light in that system will turn from green to red, however, both red status indicator lights on that system will start to blink ON and OFF. If the audible alarm was previously silenced, it will sound again.

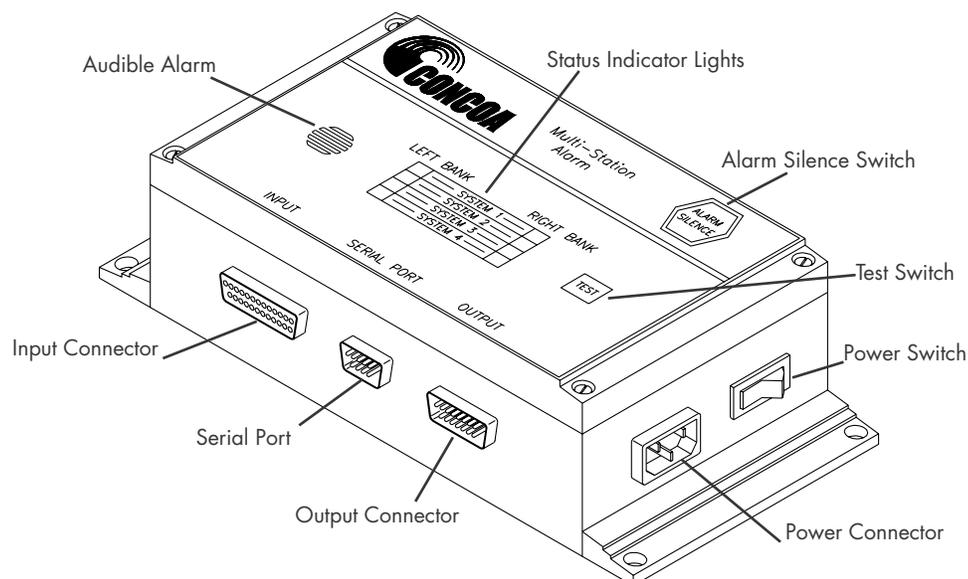


Figure 1

Connections to the Alarm are made through input and output connectors. Customer supplied cables are easily soldered to the connectors prior to plugging the connectors into the Alarm. For connector pin assignments please refer to the “CONNECTING THE ALARM” section of this manual.

Correcting the low pressure condition will return the status lights back to green, and de-activate the relays.

The Multi-Station Remote Alarm can detect if the connection to the Autoswitch is broken. If the cable is disconnected or a line is severed, the alarm will sound. This feature is only available when using normally closed pressure switches.

Another feature in the Multi-Station Remote Alarm is Self Test. Pressing the “Test” button on the front of the unit will allow all status lights and outputs on the Remote Alarm to be cycled.

The Serial Port on the Multi-Station Remote Alarm also reports the alarm status. Each time there is a change to the status of the Remote Alarm, it will send this information to the Serial Port. Refer to the Serial Port section for details.

INTENDED USE OF PRODUCT

The Multi-Station Remote Alarm is used to monitor and report the status of inlet pressure on AutoSwitch Systems. The Alarm can be configured to monitor up to four (4) AutoSwitch Systems. The Alarm contains one (1) common and four (4) independent sets of relay contacts as outputs that can be used to control any device that can be activated using a normally open or normally closed switch. One example of such a device would be the CONCOA telephone dialer (PN 5295306).

Connections to the Alarm are made through input and output connectors. Customer supplied cables are easily soldered to the connectors prior to plugging the connectors into the Alarm. For connector pin assignments please refer to the “CONNECTING THE ALARM” section of this manual.

USER RESPONSIBILITY

Service to this product should only be performed by CONCOA or an authorized CONCOA agent. Requests for service may be made through CONCOA CUSTOMER SERVICE at 1-800-225-0473. Written requests may be made using CONCOA’s FAX number at 1-757-422-3125 or CONCOA’s E-MAIL at e-mail@concoa.com.

CONCOA accepts no responsibility for damage or injury if this product is modified in any way.

CONCOA assumes/accepts no liability or responsibility for damage to individuals or equipment that may occur when using this product.

SAFETY

Basic safety precautions must be followed to reduce the risk of fire, electrical shock or injury.

- a. Connect the Alarm to the correct line voltage. A label on the product identifies whether it is wired for 120 VAC or 220VAC.
- b. While the Alarm is dust and moisture resistant, it should be installed in a location where it will not be subjected to rain or high concentrations of dust. Never pour or spray liquids directly onto the product.
- c. Install the Alarm where the ambient temperature range while operating is between 0°F and 140°F.
- d. Do not install the product in hazardous locations.
- e. If product appears damaged in any way, do not use and request service from CONCOA.
- f. Do not attempt to operate the Alarm with the cover off.

MOUNTING THE REMOTE ALARM

The Multi-Station Remote Alarm is mounted using the mounting tabs on the sides of the enclosure. It should be placed on a secure wall or panel where it will not be subjected to shock or vibration or direct contact with liquids. If mounted outside, it should be protected from the elements. Refer to Figure 10 for mounting detail.

CONNECTING POWER

The Multi-Station Remote Alarm is available as a 120VAC or 220VAC unit. A label is applied across the power input connector listing the voltage the product is configured for. The 120VAC unit is supplied with a detachable power cord. Due to the various plug configurations available, the 220 VAC unit does not come with a power cord. A power cord may be purchased from a local electrical distributor that matches the plug requirements for your area. The side of the power plug that mates to the Remote Alarm must have an IEC plug on it.

Remove the label covering the Power Input connector and plug the mating end of the power cord into the Remote Alarm. Plug the other end of the power cord into a 120VAC outlet.

CONNECTING THE AUTOSWITCH

To connect the Multi-Station Remote Alarm to an Autoswitch system, an interface cable must be made. The Autoswitch systems are shipped with a connector that is used for this cable. An Input Connector kit is also supplied with the Multi-Station Remote Alarm.

To perform the assembly task you will need a soldering station or pencil, rosin core solder, and a wire stripper. It would also be helpful to have a vise to hold a connector while soldering the wires to it.

OPTION 1: For Autoswitch Systems that have a 6 pin circular connector.

It will be necessary to obtain a 6 conductor cable. The length of the cable is determined by the application but should be limited to no longer than 1500 feet. It is recommended that 22 AWG stranded wire be used. (Alpha # 5006C or Belden #8446 are acceptable types).

Cut the 6 conductor cable to length. Remove the outer jacket of the cable to expose approximately 1-1/2 inches of the internal conductors. Strip away ¼ inch of the insulation on each of the 6 conductors. Tin the leads of the conductors. Slide the protective cover, cable retainer, and locking nut for the circular connector over one end of the cable as shown in Figure 2.

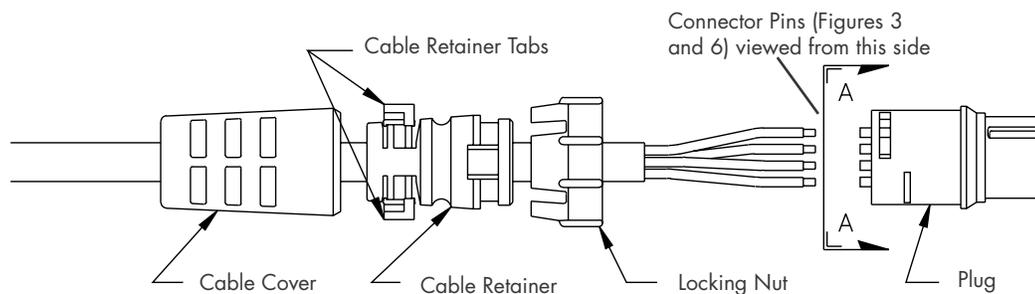


Figure 2

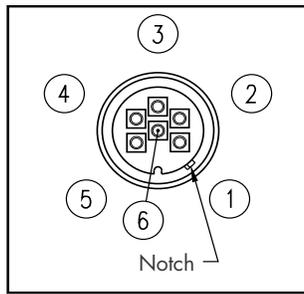


Figure 3 - Rear View of Switchover Connector View A-A

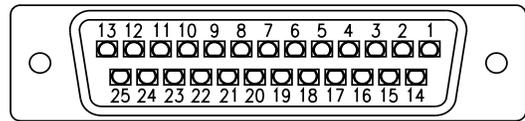


Figure 4 - Rear View of Input Connector to Remote Alarm

Table 1

SYSTEM		Switchover Connector Pin #	Remote Alarm Connector Pin #	Function
1	LEFT BANK	2	1	alarm
		1	14	LBSW status
	RIGHT BANK	5	2	alarm
		4	15	RBSW status
		3	3	+12
	6	16	Gnd	
2	LEFT BANK	2	4	alarm
		1	17	LBSW status
	RIGHT BANK	5	5	alarm
		4	18	RBSW status
		3	6	+12
	6	19	Gnd	
3	LEFT BANK	2	7	alarm
		1	20	LBSW status
	RIGHT BANK	5	8	alarm
		4	21	RBSW status
		3	9	+12
	6	22	Gnd	
4	LEFT BANK	2	10	alarm
		1	23	LBSW status
	RIGHT BANK	5	11	alarm
		4	24	RBSW status
		3	12	+12
	6	25	Gnd	

Note: Pin 13 on Remote Alarm Input Connector Not Used.

Using the pin assignments shown in Table 1 and the connector views in Figure 3 and Figure 4, solder the wires to the appropriate pins. After soldering is complete attach the cable cover, cable retainer, and locking nut to the circular connector plug. Also, attach the connector cover to the Input connector. Finally, insert the small screws that came with the Input Connector kit into the holes on the ears of the Input Connector so that the heads of the screws face the wire side of the connector. Slide the retainer clips on to the ears of the Input Connector to capture the screws. See Figure 5.

Plug the Input Connector side of the cable into the Remote Alarm and secure it by tightening the small screws. Plug the circular connector into the Autoswitch securing it by turning the locking nut until it locks.

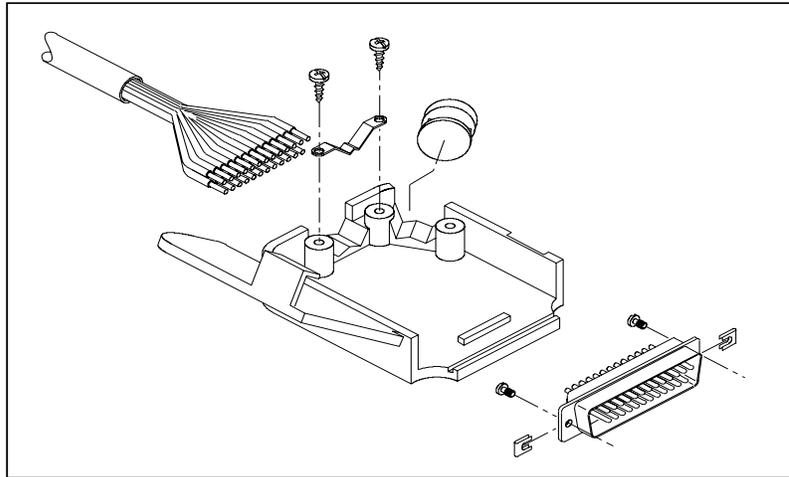


Figure 5

OPTION 2: For Autoswitch Systems that have a 4 pin circular connector.

If the Multi-Station Remote Alarm is being used to replace the previous multi-station Alarm (PN 5295298, 5295300) use the instructions that follow.

The existing Autoswitch system (522, 523, 536, and 537 prior to May 2002) came equipped with a 4 pin circular connector. If it is already connected to an alarm, the 4 conductor cable already exists. Remove the cable from the old alarm by unscrewing the wires from the terminal block. Cut the end of the cable so that the wires that went into the terminals on the terminal block are removed. Remove the outer jacket of the cable to expose approximately 1-1/2 inches of the internal conductors. Strip away 1/4 inch of the insulation on each of the 4 conductors. Tin the leads of the conductors.

Using the pin assignments shown in Table 2 , and the connector views in Figure 6 and Figure 7, solder the wires to the appropriate pins of the Input Connector. You will need to remove the protective cover, cable retainer, and locking nut to the circular connector plug to see the pin outs. After soldering is complete re-assemble the 4 pin plug assembly and attach the connector cover to the Input Connector. Finally, insert the small screws that came with the Input Connector kit into the holes on the ears of the Input Connector so that the heads of the screws face the wire side of the connector. Slide the retainer clips on to the ears of the Input Connector to capture the screws.

Plug the Input Connector side of the cable into the Remote Alarm and secure it by tightening the small screws. Plug the circular connector into the Autoswitch securing it by turning the locking nut until it locks. You will need to change DIP switch 5 when using this Option.

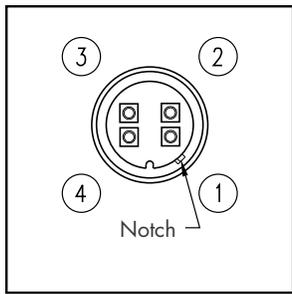


Figure 6 - Rear View of Switchover Connector

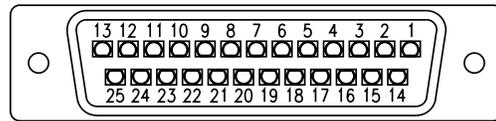


Figure 7 - Rear View of Input Connector to Remote Alarm

Table 2

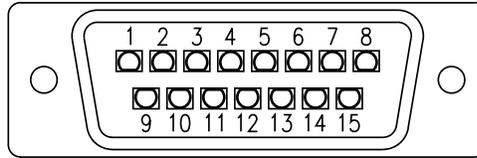
SYSTEM		Switchover Connector Pin #	Remote Alarm Connector Pin #	Function
1	LEFT BANK	1	3	+12
		2	15	LBSW status
	RIGHT BANK	3	14	RBSW status
		4	16	Gnd
2	LEFT BANK	1	6	+12
		2	18	LBSW status
	RIGHT BANK	3	17	RBSW status
		4	19	Gnd
3	LEFT BANK	1	9	+12
		2	21	LBSW status
	RIGHT BANK	3	20	RBSW status
		4	22	Gnd
4	LEFT BANK	1	12	+12
		2	24	LBSW status
	RIGHT BANK	3	23	RBSW status
		4	25	Gnd

CONNECTING THE OUTPUTS

The Multi-Station Remote Alarm activates relay contacts in response to alarm conditions. These relay contacts can be connected to any external device that is activated by the opening or closing of a switch. Examples would be CONCOA's telephone dialer, a Warning Light, an external buzzer, or another monitoring or alarm system. Whatever the connecting device, care must be taken not exceed the rating of the relay contacts (Table 3). Refer to Table 4 for the pin assignments for the Output Connector.

Table 3

Relay Contact Rating	
24 VDC	1 amp Resistive Load
115 VAC	0.5 amp Resistive Load

**Figure 8 - Rear View of Output Connector to Remote Alarm****Table 4**

Pin Number	Function	Contact
1	Main Relay	Common (C)
9		Normally Closed (NC)
2		Normally Open (NO)
10	System 1 Relay	C
3		NC
11		NO
4	System 2 Relay	C
12		NC
5		NO
13	System 3 Relay	C
6		NC
14		NO
7	System 4 Relay	C
15		NC
8		NO

USING THE SERIAL PORT

The Multi-Station Remote Alarm is equipped with an RS-232 Serial Port. The Serial Port can be connected to a standard PC to expand the communication features of the Alarm.

Communication between the Alarm and the PC is Asynchronous, Full Duplex. System Bank Pressure Status along with test information can be sent to the PC. In addition, this port is used to receive commands from the PC.

Baud Rate is 9600. No Parity bit is used.

Each time the status of a System changes the Alarm will make this information available to the Serial Port as an 8 bit word. The data is organized such that each bit represents the status of a BANK Pressure Switch. Table 5 shows the bit assignments.. A value of "0" in a bit indicates IN-ACTIVE or NO ALARM condition. A "1" in a bit indicates an ACTIVE or ALARM condition.

Table 5

Data	Bit 0	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7
Description	LEFT, SYS1	RIGHT, SYS1	LEFT, SYS2	RIGHT, SYS2	LEFT, SYS3	RIGHT, SYS3	LEFT, SYS4	RIGHT, SYS4

Communication between the PC and the Remote Alarm will use the **RTS** and **CTS** lines to control the flow of data.

The Serial Port has the capability of transmitting the following data to the PC:

Table 6

Command	Code	Keystroke	Definition
STX	Hex 02	Cntrl-B	Start of Text
Data Byte			Alarm Status
ETX	Hex 03	Cntrl-C	End of Text
ENQ	Hex 05	Cntrl-E	Enquire

The Data byte is 8 bits in length (start, stop, parity not considered). When the Remote Alarm detects a change in status from any of the SYSTEM BANK switches, it will send out three bytes to the PC. Each byte is sent using the handshaking created by linking the **RTS** and **CTS** lines between the two devices. The bytes are **STX**, **data byte**, and **ETX**.

The Serial Port has the capability of receiving data from the PC. The data that it is capable of interpreting is limited to the following:

Table 7

Command	Code	Keystroke	Definition
CAN	Hex 18	Cntrl-X	Cancel
ENQ	Hex 05	Cntrl-E	Enquire
STX	Hex 02	Cntrl-B	Start of Text
ETX	Hex 03	Cntrl-C	End of Text
DC4	Hex 14	Cntrl-T	Device Control 4 (Test)
Data Byte			

CAN Command – The Remote Alarm should interpret this as a Reset. Upon receiving this command, the software should jump to the beginning or initialization.

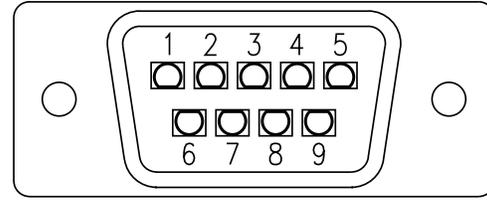
ENQ Command – When this is received the Remote Alarm should provide the status of the SYSTEM BANK Switches. This command coming from the PC has no "STX" or "FTX" associated with it. This is done by transmitting the STX command first, followed by the data byte, followed by the ETX command. This command can also be sent to the PC if the PIC does not understand the instruction it received.

DC4 Command – When this is received the Remote Alarm will initiate the self test sequence.

Connection to the Serial Port is made through a 9 pin D-subminiature connector. The cable needed is a standard serial cable normally used to connect any peripheral serial device to a PC. The pin assignments for the 9 pin D-subminiature connector on the Alarm are shown in Table 8 and Figure 9.

Table 8

Pin #	Function
1	NC
2	TxD
3	RxD
4	NC
5	Ground
6	NC
7	CTS
8	RTS
9	NC

**Figure 9 - Serial Connector Rear View**

CONFIGURING THE REMOTE ALARM

The Multi-Station Remote Alarm can be configured to select various options. These options include:

- a. Enabling the Alarm to monitor 1, 2, 3 or 4 systems
- b. Disabling the Audible Alarm
- c. Selecting whether it recognizes Normally Open or Normally closed pressure switches

Enabling the Alarm to monitor 1, 2, 3 or 4 systems

The Multi-Station Remote Alarm is factory set to recognize one (1) Autoswitch system. As a result, only the status lights that pertain to SYSTEM 1 will light when the unit is powered up. If more than one system is to be connected to the Alarm a series of D.I.P. switches need to be set inside the unit. To do this:

1. Make sure AC power is off and unplug the Power cord from the Remote Alarm.
2. It is best to set the unit on a flat surface. With the Alarm placed so that the Input/Output connectors are facing towards you, unscrew the four (4) screws that hold the cover on. They are retained in the cover so there is no need to remove them completely.
3. Carefully lift the cover. There are two cables that connect the cover to the base of the unit. Without unplugging these cables, carefully set the cover back enough to gain access to the DIP switches located inside in the upper left hand corner.
4. Locate the DIP switches and then using a stylus or small screwdriver, close the DIP switch for the system you wish to enable. Refer to Table 9 and Figure 10 to select the correct DIP switch.
5. Place the cover back on the base. Be careful not to pinch the cables coming from the cover. Tighten screws.
6. Reconnect the power cord and plug unit in.

Table 9

Function	DIP Switch	Factory Default Settings
SYSTEM 1 Enable	1	Close
SYSTEM 2 Enable	2	Open
SYSTEM 3 Enable	3	Open
SYSTEM 4 Enable	4	Open
Pressure Switch Type Select	5	Open
Audible Alarm Silence	6	Open

*OFF = Open, ON = Closed

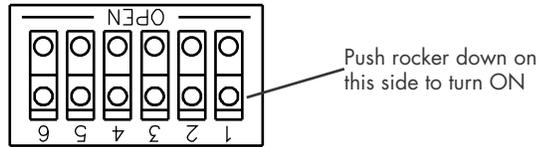


Figure 10 - Serial Connector Rear View

Disabling the Audible Alarm

The Multi-Station Remote Alarm is factory set to allow the audible alarm to sound. To silence this alarm:

1. Make sure AC power is OFF and unplug the Power cord from the Remote Alarm.
2. It is best to set the unit on a flat surface. With the Alarm placed so that the Input/Output connectors are facing towards you, unscrew the four (4) screws that hold the cover on. They are retained in the cover so there is no need to remove them completely.
3. Carefully lift the cover. There are two cables that connect the cover to the base of the unit. Without unplugging these cables, carefully set the cover back enough to gain access to the DIP switches located inside in the upper left hand corner
4. Locate the DIP switches and then using a stylus or small screwdriver, close (turn on) the DIP switch for the Audible Alarm Silence (DIP switch 6). Refer to Figure 8 to select the correct DIP switch.
5. Place the cover back on the base. Be careful not to pinch the cables coming from the cover. Tighten the screws.
6. Reconnect the power cord and plug unit in.

Selecting Normally Open or Normally closed pressure switches

The Multi-Station Remote Alarm can be configured to recognize either a normally open or a normally closed pressure switch. The factory default is normally open. This is defined as the state of the switch when the needle of the gauge is at 0 pressure. To change this from normally open to normally closed:

1. Make sure AC power is OFF and unplug the Power cord from the Remote Alarm.
2. It is best to set the unit on a flat surface. With the Alarm placed so that the Input/Output connectors are facing towards you, unscrew the four (4) screws that hold the cover on. They are retained in the cover so there is no need to remove them completely.
3. Carefully lift the cover. There are two cables that connect the cover to the base of the unit. Without unplugging these cables, carefully set the cover back enough to gain access to the DIP switches located inside in the upper left hand corner
4. Locate the DIP switches and then using a stylus or small screwdriver, close (turn on) the DIP switch for the Pressure Switch Type (DIP switch 5). Refer to Figure 8 to select the correct DIP switch.
5. Place the cover back on the base. Be careful not to pinch the cables coming from the cover. Tighten the screws.
6. Reconnect the power cord and plug unit in.

TEST MODE

The Multi-Station Remote Alarm has a Self-Test Mode. In this mode the status indicator lights, Output Relays, audible alarm, and Serial Port are exercised. The test sequence involves individually lighting each of the eight (8) status indicator lights, first in red then in green. Each light stays lit for approximately 2 seconds. This is followed by individually activating each of the five (5) Output Relays. The relays stay on for approximately 4 seconds. After the relays have been activated, the audible alarm is turned ON. Finally, the Serial Port sends out a code (02h, AAh, 03h). When the test sequence is complete the unit returns to normal operation.

This test mode can be a useful tool in determining where a problem exists in the system.

TROUBLESHOOTING

Sympton	Cause
Unit is plugged in but no lights are lighting on the Alarm	<ol style="list-style-type: none"> 1. Check to see that there is power at the source. 2. Check that the power switch on the unit in ON. 3. Check to see that the internal fuse is OK. 4. If the Alarm has been re-configured from the factory settings, check that the DIP switches were properly set. Refer to "Configuring the Remote Alarm" section of the manual.
Audible Alarm begins to sound as soon as power is turned ON.	<ol style="list-style-type: none"> 1. Check that the Input Connector is plugged in properly. 2. Check that the connector to the Autoswitch is plugged in. 3. Check that the cable between the Autoswitch and Alarm is not cut or pinched somewhere. 4. Check to see that all the wires in the cable are properly soldered to the connectors. 5. Check to see how many status indicator lights are lighted. Compare this to how many systems are wired to the Alarm. They must be the same. It may be necessary to reconfigure the DIP switches. See "Configuring the Remote Alarm" section of the manual. 6. If using Option 2 (4 pin connector Autoswitch) check that DIP switch 5 is properly set. Refer to "Configuring the Remote Alarm" section of the manual.
Outputs do not appear to be functioning.	<ol style="list-style-type: none"> 1. Check the cable to the output device to be sure it is properly connected. 2. Check the Output Connector to be sure it is properly plugged into the Alarm. 3. Check the external output device to make sure it is functioning properly.
Serial Port does not work.	<ol style="list-style-type: none"> 1. Check that you are using the correct cable. The product uses a standard serial cable, not a null modem cable. 2. Check that the PC being used is configured properly for the Alarm. 3. Check that the software used on the PC to monitor the Alarm is correct.

SERVICE

Service by a factory authorized facility should be done if an Alarm becomes inoperative and troubleshooting has not isolated the problem. Contact CONCOA Customer Service at 1-800-225-0473 for assistance.

If advised to return the unit for service you should:

1. Package the Alarm to prevent damage in shipping. If possible, use the original shipping materials.
2. Ship the unit back pre-paid.
3. Make sure the RMA number appears on the packaging and inside the package.
4. Include an explanation of the problem you encountered.

MOUNTING DETAIL

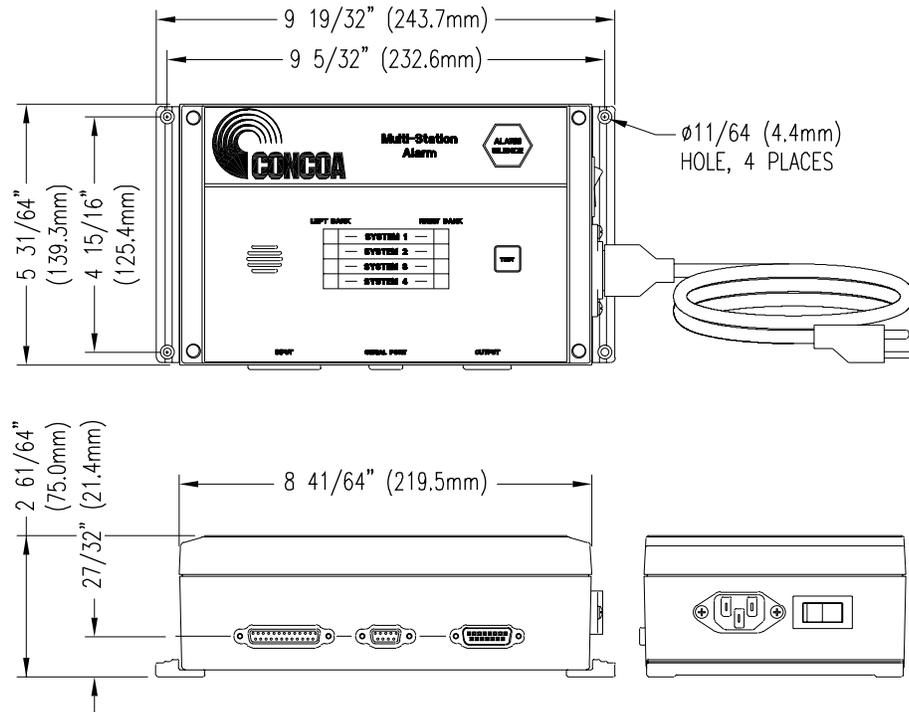


Figure 11

ELECTRICAL SPECIFICATIONS

Multi-Station Remote Alarm:

120 Volt Version	120 Volts \pm 10%, 50-60 hz., 6VA
220 Volt Version	220 Volts \pm 10%, 50-60 hz., 6VA

Fuses:

120 Volt Version	0.5A normal blow, type 3AG
220 Volt Version	0.25A normal blow type 3AG

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Warranty Information

This equipment is sold by CONTROLS CORPORATION OF AMERICA under the warranties set forth in the following paragraphs. Such warranties are extended only with respect to the purchase of this equipment directly from CONTROLS CORPORATION OF AMERICA or its Authorized Distributors as new merchandise and are extended to the first Buyer thereof other than for the purpose of resale.

For a period of one (1) year from the date of original delivery (90 days in corrosive service) to Buyer or to Buyer's order, this equipment is warranted to be free from functional defects in materials and workmanship and to conform to the description of this equipment contained in this manual and any accompanying labels and/or inserts, provided that the same is properly operated under conditions of normal use and that regular periodic maintenance and service is performed or replacements made in accordance with the instructions provided. The foregoing warranties shall not apply if the equipment has been repaired: other than by CONTROLS CORPORATION OF AMERICA or a designated service facility or in accordance with written instructions provided by CONTROLS CORPORATION OF AMERICA, or altered by anyone other than CONTROLS CORPORATION OF AMERICA, or if the equipment has been subject to abuse, misuse, negligence or accident.

CONTROLS CORPORATION OF AMERICA's sole and exclusive obligation and Buyer's sole and exclusive remedy under the above warranties is limited to repairing or replacing, free of charge, at CONTROLS CORPORATION OF AMERICA's option, the equipment or part, which is reported to its Authorized Distributor from whom purchased, and which if so advised, is returned with a statement of the observed deficiency, and proof of purchase of equipment or part not later than seven (7) days after the expiration date of the applicable warranty, to the nearest designated service facility during normal business hours, transportation charges prepaid, and which upon examination, is found not to comply with the above warranties. Return trip transportation charges for the equipment or part shall be paid by Buyer.

CONTROLS CORPORATION OF AMERICA SHALL NOT BE OTHERWISE LIABLE FOR ANY DAMAGES INCLUDING BUT NOT LIMITED TO: INCIDENTAL DAMAGES, CONSEQUENTIAL DAMAGES, OR SPECIAL DAMAGES, WHETHER SUCH DAMAGES RESULT FROM NEGLIGENCE, BREACH OF WARRANTY OR OTHERWISE.

THERE ARE NO EXPRESS OR IMPLIED WARRANTIES WHICH EXTEND BEYOND THE WARRANTIES HEREINABOVE SET FORTH. CONTROLS CORPORATION OF AMERICA MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE EQUIPMENT OR PARTS THEREOF.



Product Serial Number:

PACKING LIST

<input checked="" type="checkbox"/>	<u>Qty</u>	<u>Part Number</u>	<u>Description</u>
<input type="checkbox"/>	1	5295310-01-001	120 VAC MULTI-STATION REMOTE ALARM
<input type="checkbox"/>	1	5295311-01-001	220 VAC MULTI-STATION REMOTE ALARM

INCLUDES:

<input type="checkbox"/>	1	8308824	120 VAC MULTI-STATION REMOTE ALARM
<input type="checkbox"/>	1	8308825	220 VAC MULTI-STATION REMOTE ALARM
<input type="checkbox"/>	1	8308908	CONN, KIT INPUT
<input type="checkbox"/>	1	8308909	CONN, KIT OUTPUT
<input type="checkbox"/>	1	8309235-1	CORD, DETACHABLE PWR 120 VAC
<input type="checkbox"/>	1	99068824	INSTRUCTION MANUAL, REMOTE ALARM

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