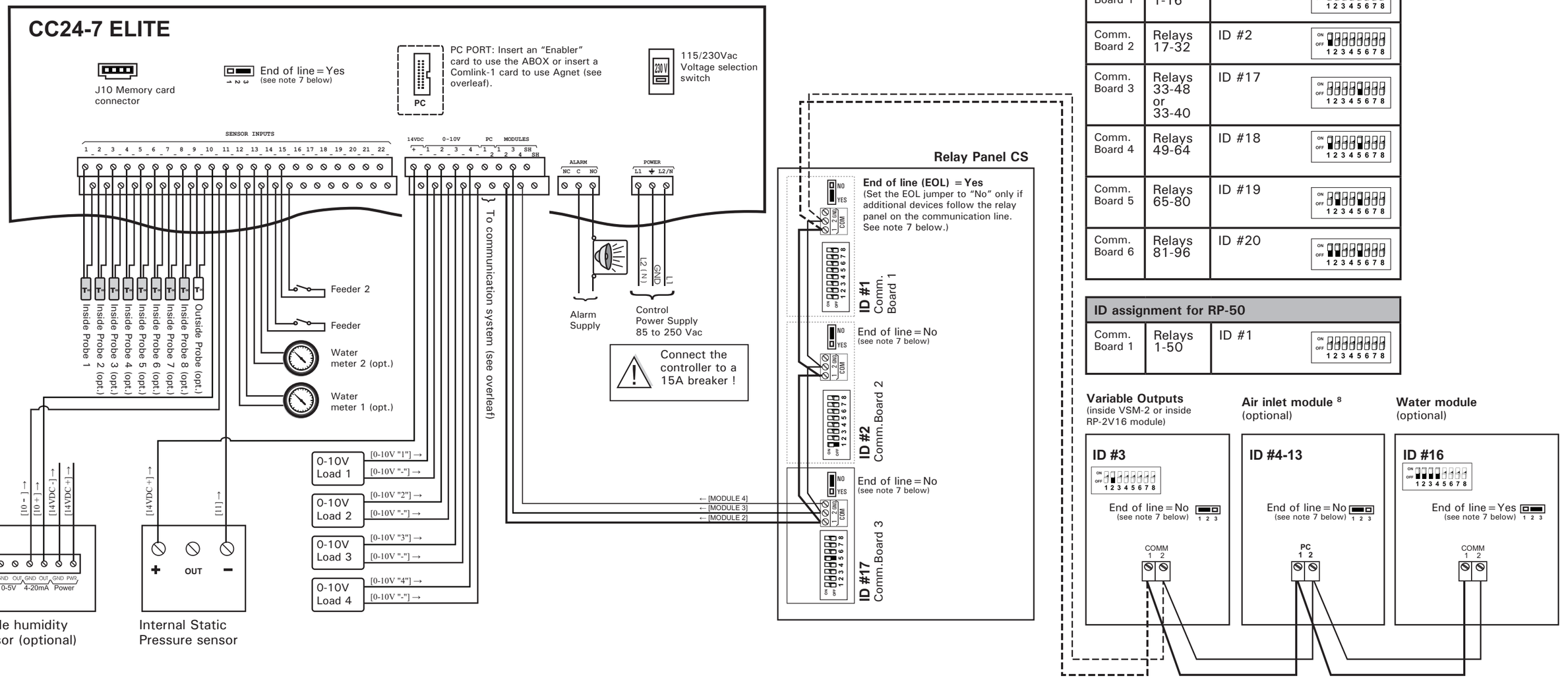
Wiring Diagram when using a RELAY PANEL CS

(Relay panel with 2 "MODULE" terminals)



Relay Panel CS ID Numbers

ID assignment for RP- 8 /16 / 32 / 40 / 48		
Comm. Board 1	Relays 1-16	ID #1
Comm. Board 2	Relays 17-32	ID #2
Comm. Board 3	Relays 33-48 or 33-40	ID #17
Comm. Board 4	Relays 49-64	ID #18
Comm. Board 5	Relays 65-80	ID #19
Comm. Board 6	Relays 81-96	ID #20

ID assignment for RP-50		
Comm. Board 1	Relays 1-50	ID #1

Installation Notes:

1. Mounting Instructions: Leave a clearance of at least 16" (400 mm) to the left of the controller box to allow the cover to be removed for maintenance.

2. Cable Entry: Punch holes at the bottom of the enclosure to allow wires to be introduced in the controller. Do not drill the top or side panels of the enclosure.

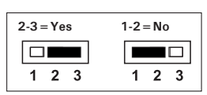
3. Alarm System: Installation of a good quality alarm system is strongly suggested to warn of power failures and high/low temperatures.

4. Surge Protection: Provide a surge protection (including lightning protection) from the power supply to the controller and from the control to the sensors. Consult a certified electrician if required.

5. Low Voltage Wires: Install low voltage wires (probes & 0-10V loads) at least 12 inches (300 mm) away from high voltage wires (230-120VAC,24Vdc). Always cross low and high voltage wires at a 90° angle.

6. Water Meter: The water meter output should be a dry contact and should not pulse faster than 60 times a second (60Hz). A 22/12 AWG gauge cable no longer than 2000 feet (0.6 km) can be used to connect the water meter. Do not use a cable longer than 2000 feet even if a larger cable is used. Do not run the meter cable outside the building!!

7. End of Line Jumper (EOL): Set the end of line jumper to the "Yes" position on the first and last device of the communication line.



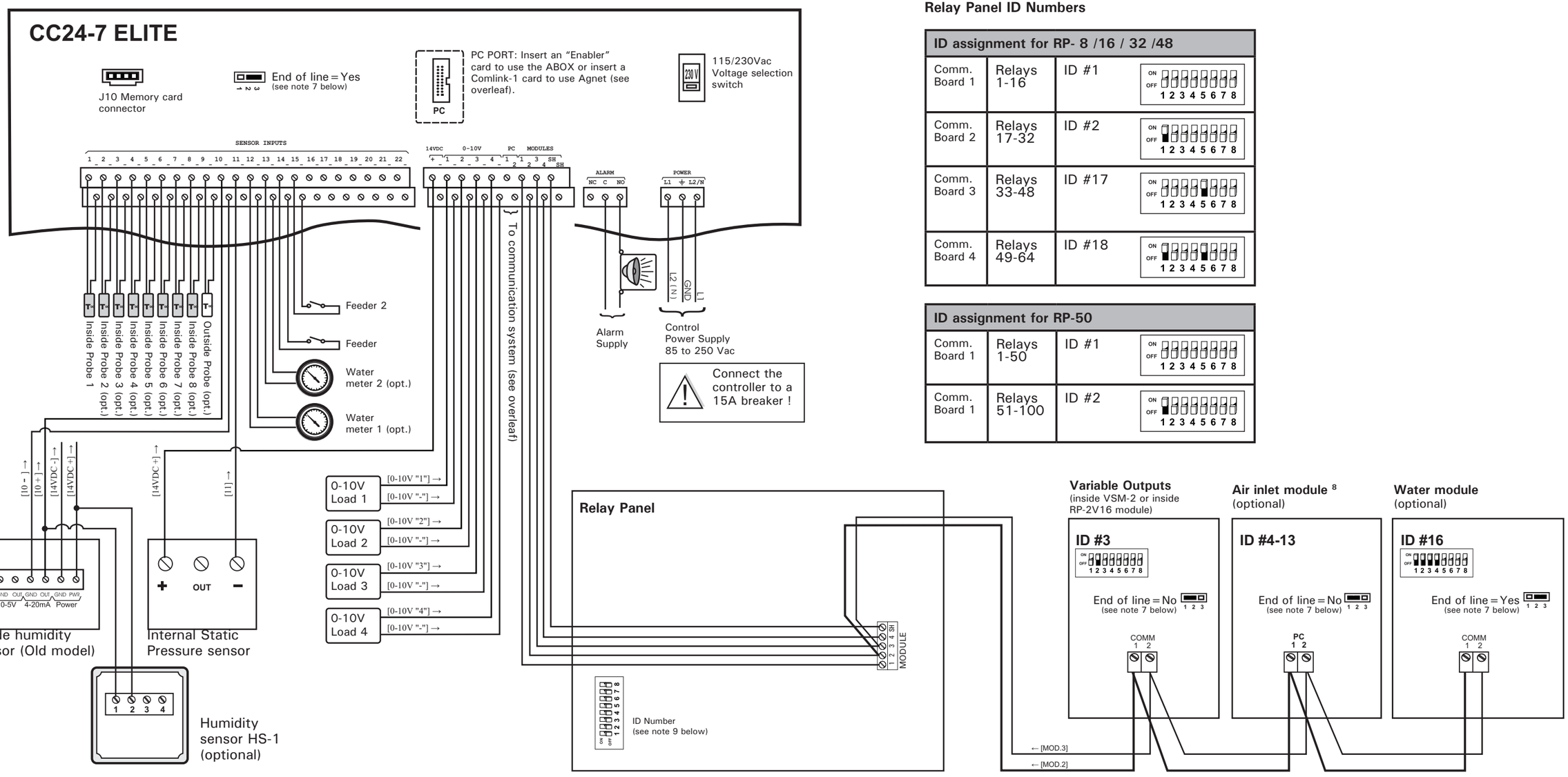
8. Air Inlet ID Numbers: Position the black jumpers properly on the Comlink card of each inlet to assign the inlet's ID number. Assign inlet ID in numerical order starting with ID#4.

9. Relay Panel ID Assignment (for RP-16, RP-32 & RP-48 only): Each group of 16 relays is linked with a communication board. Up to 3 different communication boards can be located inside a relay panel and each board must be given a unique identification number so the controller can communicate with it. Refer to the "RELAY PANEL ID NUMBER" table above to assign these number properly.

WIRING DIAGRAM	
CC24-7 ELITE	
#891-00003	Rev.13

Wiring Diagram when using a non-CS Relay Panel

(Relay panel with 5 "MODULE" terminals)



Relay Panel ID Numbers

ID assignment for RP- 8 /16 / 32 /48			
Comm. Board 1	Relays 1-16	ID #1	ON OFF 1 2 3 4 5 6 7 8
Comm. Board 2	Relays 17-32	ID #2	ON OFF 1 2 3 4 5 6 7 8
Comm. Board 3	Relays 33-48	ID #17	ON OFF 1 2 3 4 5 6 7 8
Comm. Board 4	Relays 49-64	ID #18	ON OFF 1 2 3 4 5 6 7 8

ID assignment for RP-50			
Comm. Board 1	Relays 1-50	ID #1	ON OFF 1 2 3 4 5 6 7 8
Comm. Board 1	Relays 51-100	ID #2	ON OFF 1 2 3 4 5 6 7 8

Installation Notes:

1. Mounting Instructions: Leave a clearance of at least 16" (400 mm) to the left of the controller box to allow the cover to be removed for maintenance.

2. Cable Entry: Punch holes at the bottom of the enclosure to allow wires to be introduced in the controller. Do not drill the top or side panels of the enclosure.

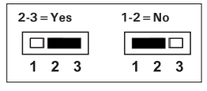
3. Alarm System: Installation of a good quality alarm system is strongly suggested to warn of power failures and high/low temperatures.

4. Surge Protection: Provide a surge protection (including lightning protection) from the power supply to the controller and from the control to the sensors. Consult a certified electrician if required.

5. Low Voltage Wires: Install low voltage wires (probes & 0-10V loads) at least 12 inches (300 mm) away from high voltage wires (230-120VAC,24Vdc). Always cross low and high voltage wires at a 90° angle.

6. Water Meter: The water meter output should be a dry contact and should not pulse faster than 60 times a second (60Hz). A 22/12 AWG gauge cable no longer than 2000 feet (0.6 km) can be used to connect the water meter. Do not use a cable longer than 2000 feet even if a larger cable is used. Do not run the meter cable outside the building!!

7. End of Line Jumper (EOL): Set the end of line jumper to the "Yes" position on the first and last device of the communication line.



8. Air Inlet ID Numbers: Position the black jumpers properly on the Comlink card of each inlet to assign the inlet's ID number. Assign inlet ID in numerical order starting with ID#4.

9. Relay Panel ID Assignment (for RP-16, RP-32 & RP-48 only): Each group of 16 relays is linked with a communication board. Up to 3 different communication boards can be located inside a relay panel and each board must be given a unique identification number so the controller can communicate with it. Refer to the "RELAY PANEL ID NUMBER" table above to assign these number properly.

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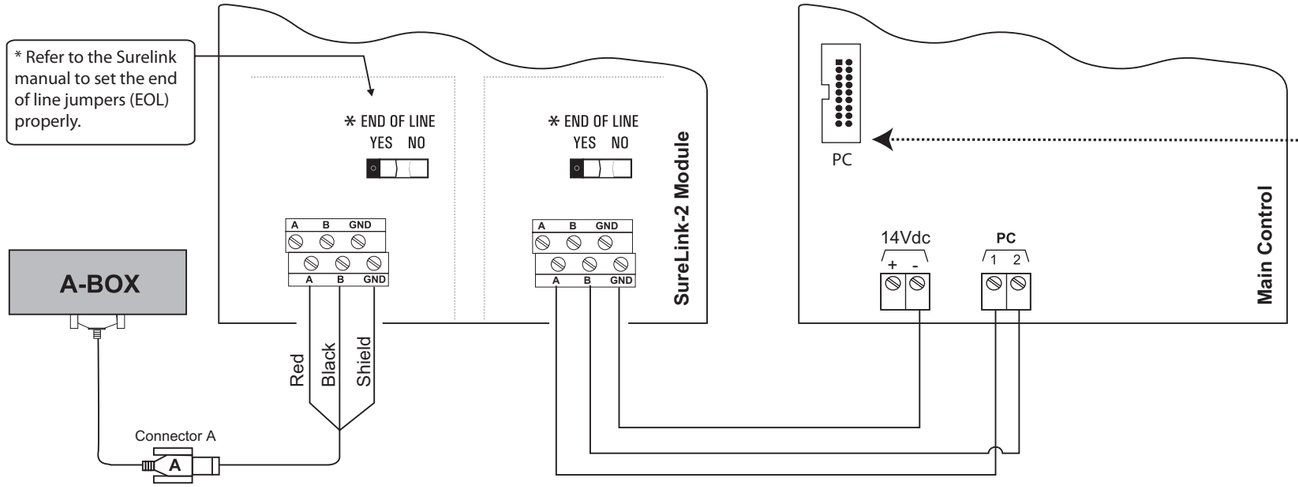
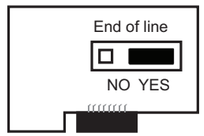
A-BOX Communication System Hook-up (optional)



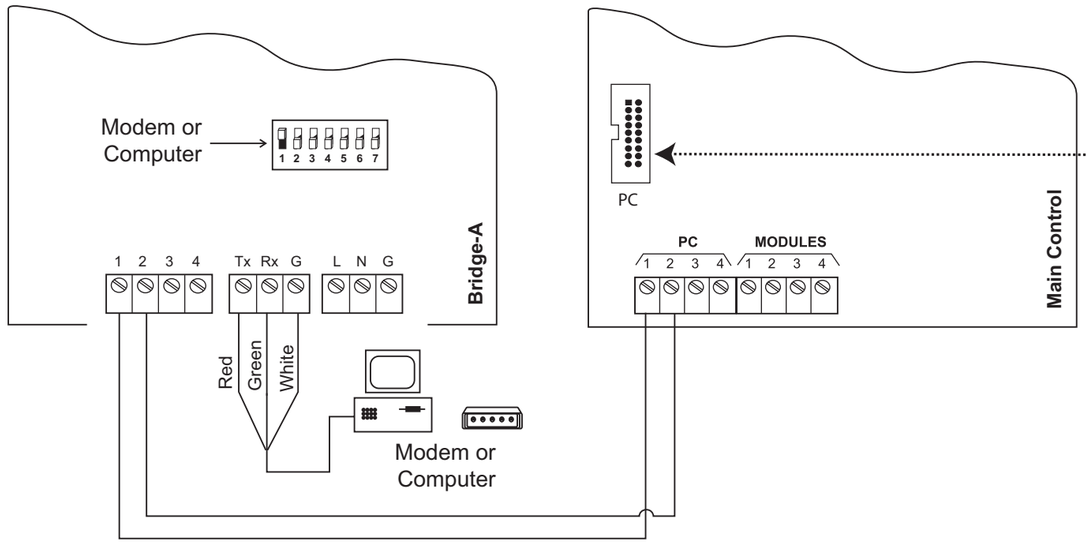
Enabler card



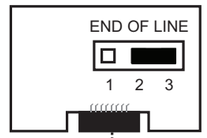
EOL = yes
[PC line]

NOTE: In order to connect the CC24-7 Plus to an A-Box, you must use an A-com card 045-11540 rev01.

AgNet Communication System Hook-up (optional)



Comlink-1 Card



EOL = yes
[PC line]

WIRING DIAGRAM	
CC24-7 ELITE	
#891-00003	Rev.13