

INSTALLATION NOTES

- 1. Mounting Instructions:** Leave a clearance of at least 16" (400mm) 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 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. Voltage Selection:** Set the voltage selector to the proper position : 115 or 230Vac.
- 7. 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!

- 8. Temperature Sensor Plugin Cards:** Up to 3 plug-in cards can be connected to the controller. Each additional card comes with 8 temperature inputs. Refer to the wiring diagram at the back of this page to connect these cards to the controller.

WIRING DIAGRAM	
PRO-VISION	
891-00453	Rev.05

ID Numbers for Relay Panels

Each relay inside a relay panel lies down on a relay strip which contains up to 16 relays. Three different 16-relay strips can be located inside a relay panel and each relay strip must be given a unique identification number so the controller can communicate with it. The table below shows what ID number must be assigned to the relay strips of all relay panels.

Consecutive RP-32 relay panels			
Panel #1	Strip 1	ID# 1	Relay 1-16
	Strip 2	ID# 2	Relay 17-32
Panel #2	Strip 1	ID# 3	Relay 33-48
	Strip 2	ID# 4	Relay 49-64
Panel #3	Strip 1	ID# 5	Relay 65-80
	Strip 2	ID# 6	Relay 81-96
Panel #4	Strip 1	ID# 7	Relay 97-112
	Strip 2	ID# 8	Relay 113-128

Consecutive RP-40 relay panels			
Panel #1	Strip 1	ID# 1	Relay 1-16
	Strip 2	ID# 2	Relay 17-32
	Strip 3	ID# 3	Relay 33-40
Panel #2	Strip 1	ID# 4	Relay 41-56
	Strip 2	ID# 5	Relay 57-72
	Strip 3	ID# 6	Relay 73-80
Panel #3	Strip 1	ID# 7	Relay 81-96
	Strip 2	ID# 8	Relay 97-112
	Strip 3	ID# 9	Relay 113-120

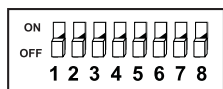
One RP-40 & One RP-16 relay panel			
Panel #1 (RP-40)	Strip 1	ID# 1	Relay 1-16
	Strip 2	ID# 2	Relay 17-32
	Strip 3	ID# 3	Relay 33-40
Panel #2 (RP-16)	Strip 1	ID# 4	Relay 41-56

ID Numbers for Additional Modules (ID # 17-32)

Each additional module connected to the communication port of the controller must be given a unique ID number. These modules can be identified with ID numbers 17 to 32 and they must be identified in numerical order.

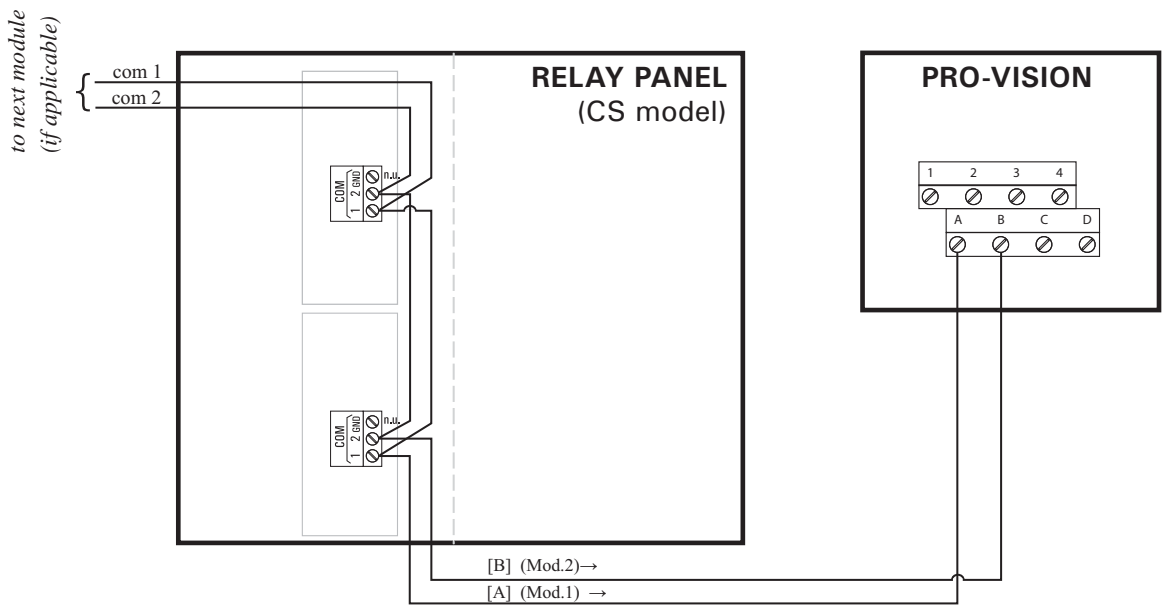
ID Selector

The table below shows how to set the ID number with the switches that are located on the electronic board of each relay strip and of each additional module.

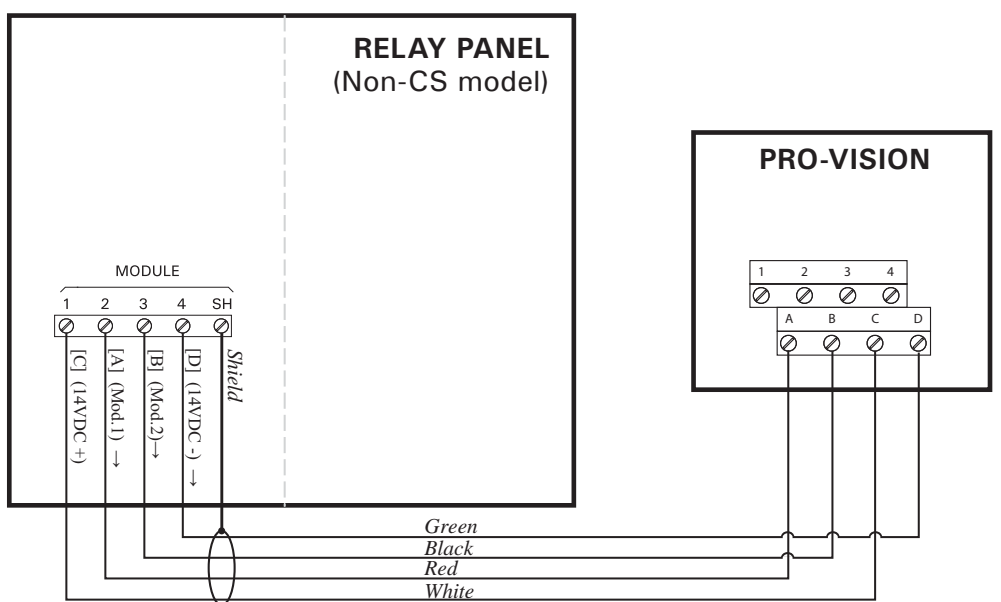


ID	SWITCH NUMBER							
	1	2	3	4	5	6	7	8
ID 1								
ID 2	ON							
ID 3		ON						
ID 4	ON	ON						
ID 5			ON					
ID 6	ON		ON					
ID 7		ON	ON					
ID 8	ON	ON	ON					
ID 9				ON				
ID 10	ON			ON				
ID 11		ON		ON				
ID 12	ON	ON		ON				
ID 13			ON	ON				
ID 14	ON		ON	ON				
ID 15		ON	ON	ON				
ID 16	ON	ON	ON	ON				
ID 17					ON			
ID 18	ON				ON			
ID 19		ON			ON			
ID 20	ON	ON			ON			
ID 21			ON		ON			
ID 22	ON		ON		ON			
ID 23		ON	ON		ON			
ID 24	ON	ON	ON		ON			
ID 25				ON	ON			
ID 26	ON			ON	ON			
ID 27		ON		ON	ON			
ID 28	ON	ON		ON	ON			
ID 29			ON	ON	ON			
ID 30	ON		ON	ON	ON			
ID 31		ON	ON	ON	ON			
ID 32	ON	ON	ON	ON	ON			

> Connecting a Relay Panel CS (panel with 2 comm. wires)



> Connecting a Relay Panel non-CS (panel with 4 comm. wires)



> Connecting the Add-on Cards⁸

