

VtekTM

Controls

SERIES APL-210N

Limit Switch



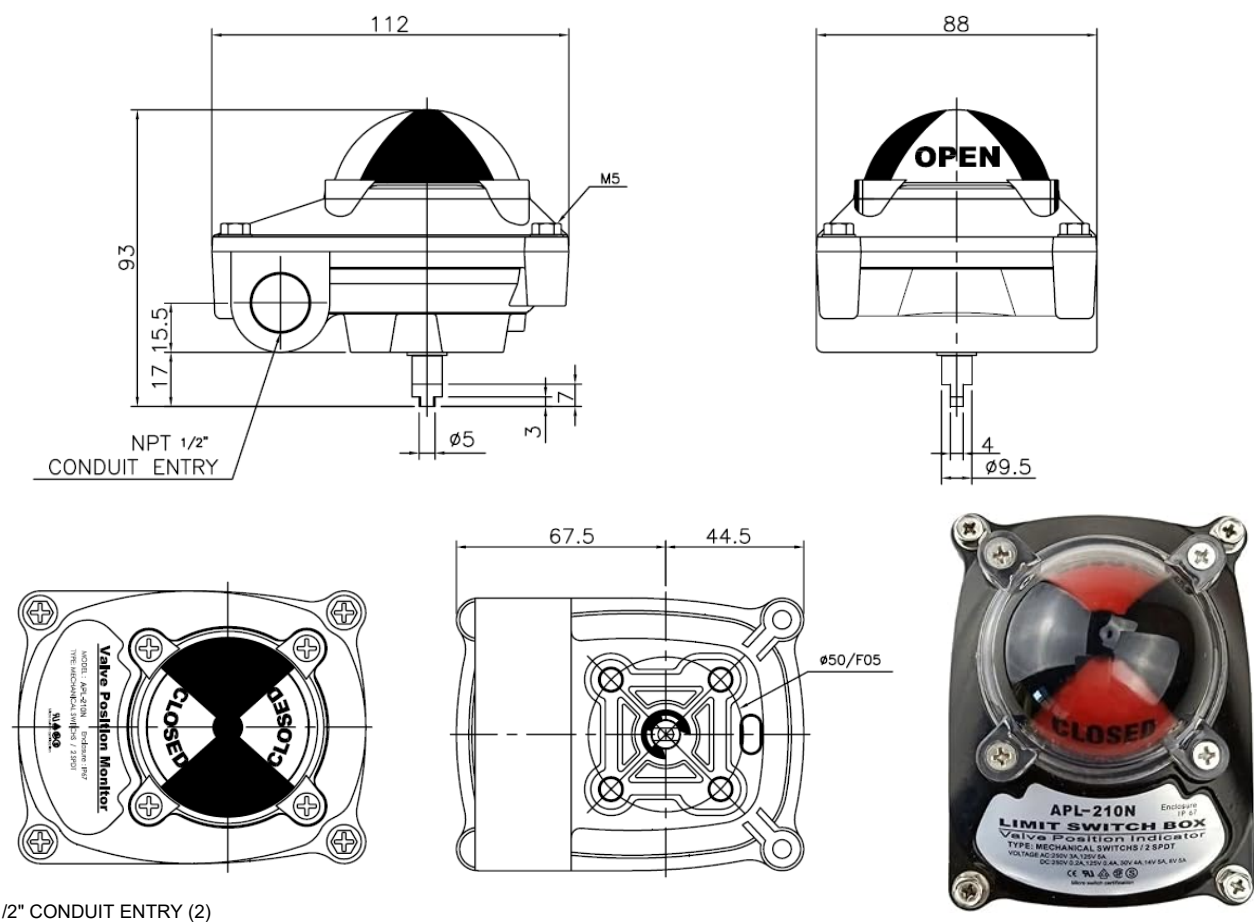
● Features

- Aluminum die cast enclosure, powder coated for superior corrosion resistance
 - Weather-proof enclosure to IP67
 - Poly carbonate Dome
 - Red and Yellow Indicator
 - Color coded cams easy to identify, and easy to set
 - Serrated cams locked together ensures adjusted settings secured against any vibration
 - Two conduit entries provided as standard
 - Conduit entry options: ½" NPT (2)
 - Complies to Namur mounting standard
 - Temperature range -20°C to 80°C
 - (2) SPDT Mechanical Switches
- Contact Arrangement:
125V AC/ 5A, 250V AC/ 3A
250V DC/0.2A, 125V DC/0.4A,
30 V DC/4A



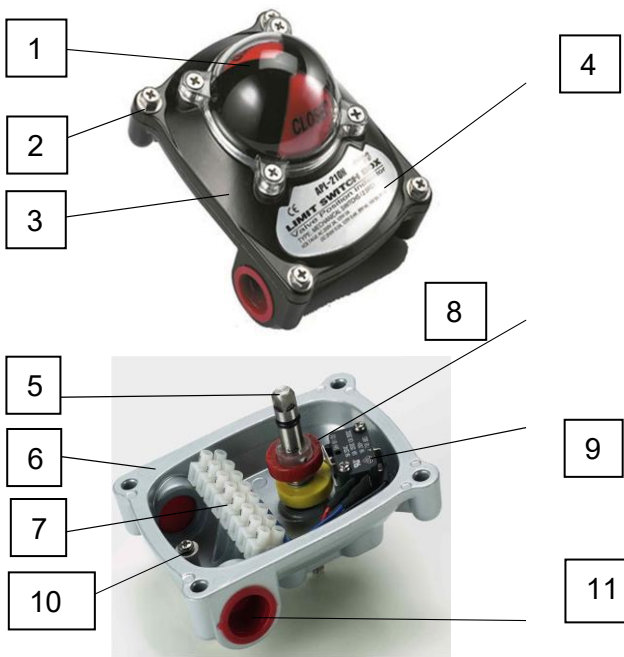
Dimensional:

APL-210N



1/2" CONDUIT ENTRY (2)

Standard Features



No	Part Name	Q'ty	Description
1	Window / Indicator	1	PC /ABS
2	Captive Cover Bolt	4	Stainless steel
3	Cover	1	Stainless steel
4	NamePlate	1	Sticker
5	Shaft	1	Stainless steel
6	Body	1	Aluminum Die casting
7	Terminal Strip	2	8P Standard
8	Cam	1	PC
9	Limit Switch	1	Mechanical or Proximity type
10	EarthLug	1	Stainless steel
11	Blanking Element	2	PC

Adjustments:

Vtek Controls Limit Switch Boxes are factory set, and should not require any adjustment. If a final adjustment is required in the field, the following procedures must be followed:

Note :

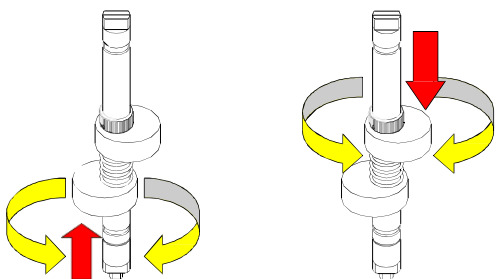
- Un-tighten the captive cover bolts with an applicable tool.
- Carefully remove the cover.

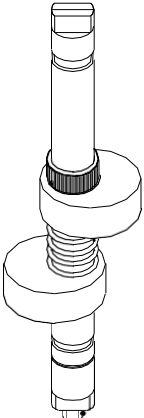
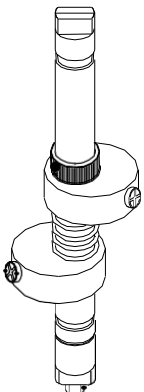
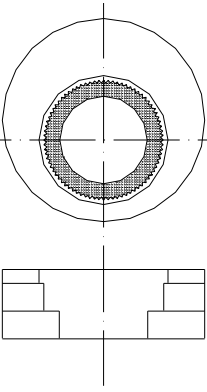
Open cam setting

1. Supply air to actuator on to operate the actuator to fully open
2. Lift the bottom yellow cam up and rotate it until the switch is activated.
3. And then release it. Cam shall be back into a stable position by itself.

Close cam setting

1. Supply air (DA) or Remove air (SR) to actuator to operate the actuator fully close
2. Push the upper cam down and rotate it until the switch is activated.
3. And then release it. Cam shall be back into a stable position by itself.



Mechanical switches	Proximity sensors	Splined cam
		

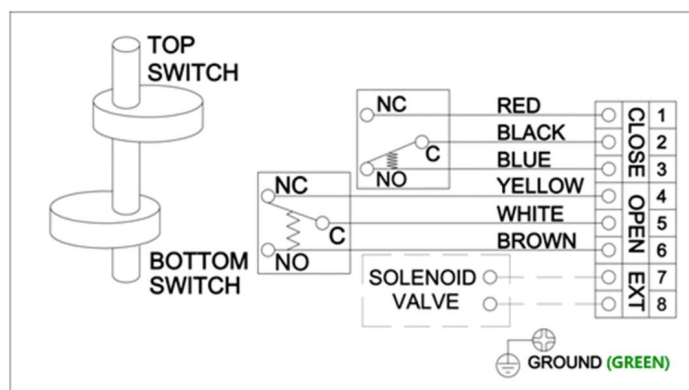
Mounting Bracket

304 SS Universal Bracket Standard.



Wiring:

MECHANICAL SWITCHES (2 SPDT)



APL limit switch box enclosure feature prewired switches. All user connections are made at a numbered terminal strip. A wiring diagram, located inside the cover, indicates which terminal numbers correspond to switch contacts, such as normally open (NO), normally closed (NC), etc. Follow the wiring diagram and electrical code to connect the switches to your system.

Solenoid valve may also be wired through the APL enclosure. Two auxiliary terminals are included as standard. APL limit switch box has two cable entries on the body and supply a blanking plug not a cable gland which meet the type of protection. Cable gland shall be applied by installer or end user.

Option:

No.	Model	Configuration parameter
1	APL-210N Standard Type	2SPDT mechanical switches, carbon steel bracket
2	APL-210N Silver contact switch	2SPDT mechanical switches, carbon steel bracket
3	APL-210N High configuration	2SPDT Omron mechanical switches, 304 stainless steel bracket
4	APL-220N 2-Wire NC/NO	proximity switch; 2-wire NO / NC; 3-wire NPN / PNP
5	APL-220N 2-Wire NC 8.2VDC	proximity switch
6	APL-220N P+F NJ2-V3-N NC 8.2V	P+F brand proximity switch, NJ2-V3-N
7	APL-223N P+F NBB2-V3	P+F brand proximity switch, NBB2-V3
8	APL-211N	3 SPDT mechanical switches
9	APL-212N	4 SPDT mechanical switches
10	APL-213N	2SPST mechanical switches
11	APL-214N	2DPDT mechanical switches
12	APL-221N	PS17-5DNU proximity switch

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Vtek Controls, LLC reserves the right to make revisions to it's products, specifications, literature, and related information without notice. Please visit our Website for the latest information and updates.

Vtek Controls, LLC
420-H Wards Corner Rd
Loveland, OH 45140
Ph 513-928-3630
www.vtekcontrols.com