



***TOP*** TOP FOUR ***SERIES***  
*position monitoring switch box*

# TOP-200

## Limit Switch

### Standard parameters

|                |                          |
|----------------|--------------------------|
| Brand          | ALTIGEN                  |
| Name           | Water proof limit switch |
| Model          | TOP-200                  |
| Microswitch    | 2SPDT                    |
| Voltage        | Max 250V AC/DC           |
| Steady Current | 250VAC 0.6A              |
| IP Grade       | IP67/IP68                |

|                    |                                   |
|--------------------|-----------------------------------|
| Ex Grade           | NA                                |
| Ambient Temp.      | -20~+80℃                          |
| Elec. Conn.        | NPT1/2                            |
| Bracket            | Movable 30-80/130-H20/H30         |
| Housing Material   | Aluminium Die Casting             |
| Wiring Terminal    | Eight (six switches, two standby) |
| Position Indicator | CLOSED (Red) / OPEN (Green)       |

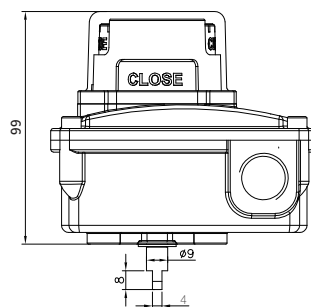
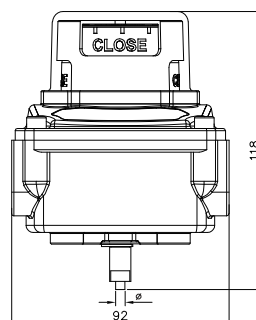
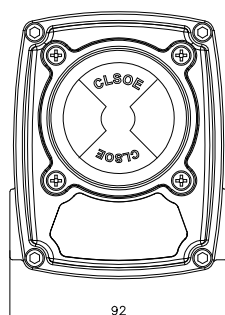
|                  |                                                                               |
|------------------|-------------------------------------------------------------------------------|
| Housing          | Low cooper aluminum die-casting                                               |
| Coating          | Epoxy-Polyester                                                               |
| Sealing          | NBR O-rings on each interface<br>(Dome indicator, Lower/Upper Housing, Shaft) |
| Cams             | Poly-Carbonate                                                                |
| Bushings         | Bronze                                                                        |
| Shaft            | AISI304 Stainless Steel                                                       |
| Earth Lug        | Stainless Steel                                                               |
| Mounting Bracket | AISI304 Stainless Steel                                                       |



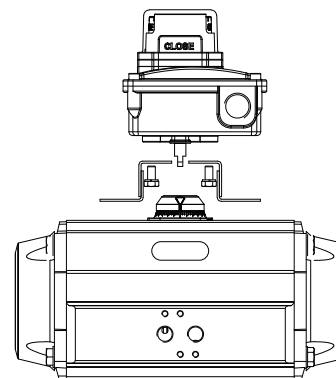
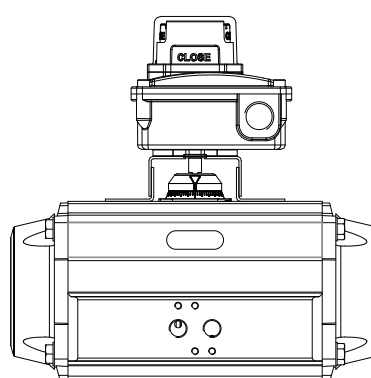
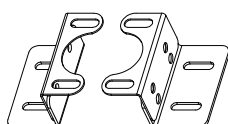
# TOP-200

## Limit Switch

### Outline size



### Installation diagram



### Size definition

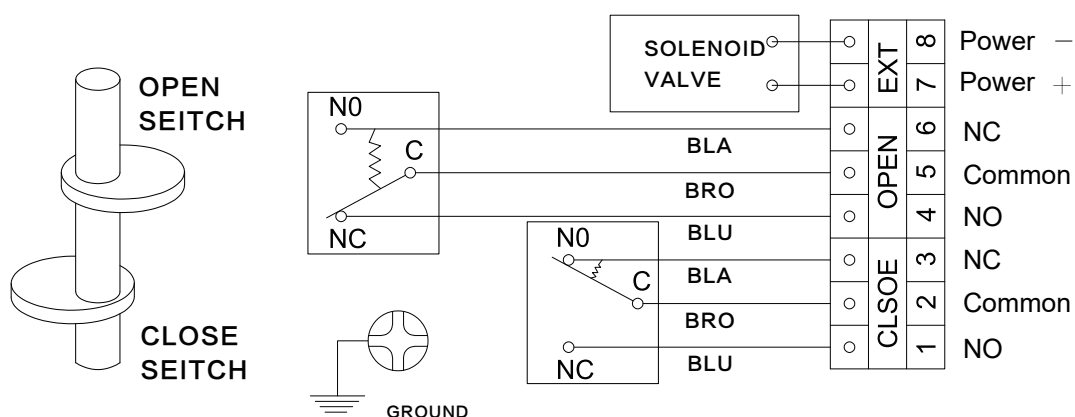
Mounting size in line with 30-80/130-H20/H30 industry standard

30mm represents the center distance of the transverse mounting hole on the upper end face of the actuator

80/130mm represents the center distance of the longitudinal mounting hole on the upper end face of the actuator

H20-H30mm represents the height from which the upper shaft of the actuator protrudes

### Product wiring diagram



# TOP-500

## Limit Switch

### Standard parameters

|                |                          |
|----------------|--------------------------|
| Brand          | ALTIGEN                  |
| Name           | Water proof limit switch |
| Model          | TOP-500                  |
| Microswitch    | 2SPDT                    |
| Voltage        | Max 250V AC/DC           |
| Steady Current | 250VAC 0.6A              |
| IP Grade       | IP67/IP68                |

|                    |                                   |
|--------------------|-----------------------------------|
| Ex Grade           | ExdII CT6                         |
| Ambient Temp.      | -20~+80℃                          |
| Elec. Conn.        | NPT1/2                            |
| Bracket            | Block 30-80/120-H20/H30           |
| Housing Material   | Aluminium Die Casting             |
| Wiring Terminal    | Eight (six switches, two standby) |
| Position Indicator | CLOSED (Red) / OPEN (Green)       |

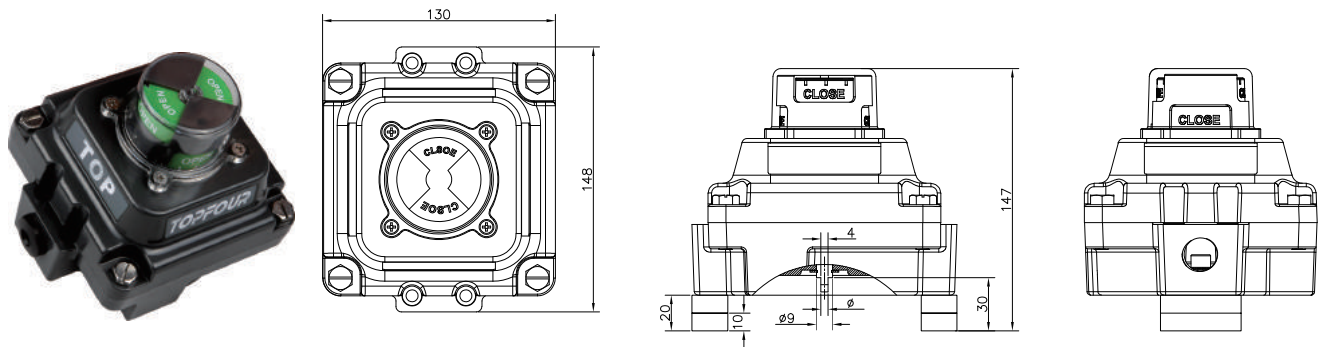
|                  |                                                                               |
|------------------|-------------------------------------------------------------------------------|
| Housing          | Body die-cast aluminum alloy ,<br>top and bottom copper bushing               |
| Coating          | Epoxy-Polyester                                                               |
| Sealing          | NBR O-rings on each interface<br>(Dome indicator, Lower/Upper Housing, Shaft) |
| Cams             | Poly-Carbonate                                                                |
| Bushings         | Bronze                                                                        |
| Shaft            | AISI304 Stainless Steel                                                       |
| Earth Lug        | Stainless Steel                                                               |
| Mounting Bracket | Aluminum alloy                                                                |



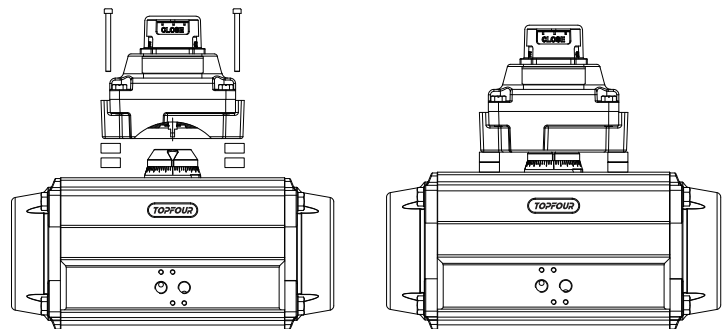
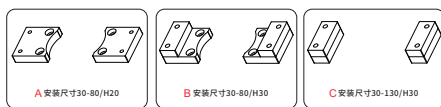
# TOP-500

## Limit Switch

outline size



Installation diagram



### Size definition

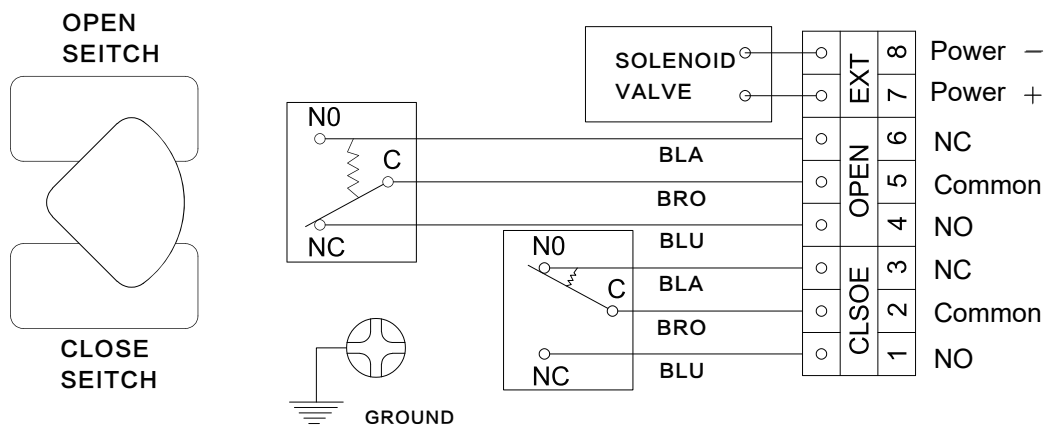
Mounting size in line with 30-80/130-H20/H30 industry standard

30mm represents the center distance of the transverse mounting hole on the upper end face of the actuator

80/130mm represents the center distance of the longitudinal mounting hole on the upper end face of the actuator

H20-H30mm represents the height from which the upper shaft of the actuator protrudes

Product wiring diagram



## Limit switch selection

TOP 5 00 A

### IP Grade

- 200 series (Aluminium housing, IP67/IP68)
- 500 series (Aluminium housing, IP67/IP68, ExdIICT6)

### Swich Type

#### Machanical Type

- 00 - 2 x SPDT micro-switch, 16A at 125/250VAC; 0.6A at 125VDC
- 10 - 4 x SPDT micro-switch, 16A at 125/250VAC; 0.6A at 125VDC
- 20 - 2 x DPDT micro-switch, 16A at 125/250VAC; 0.6A at 125VDC
- 30 - 2 x SPDT micro-switch, 16A at 125/250VAC; 0.6A at 125VDC + Potentiometer (0-5Kohm or 0-10Kohm), TOP-200 is not available.
- 40 - 2 x SPDT micro-switch, 16A at 125/250VAC + Position Transmitter (output signal: 4-20mADC), TOP-200 is not available.

#### Proximity Sensor Type

- 01 - 2xP&F model: NJ2-V3-N(2-wire/NC,EEExialICT6, SIL2 approval),Inductive Type
- 02 - 2xP&F model: NCB2-V3-N0(2-wire/NC,EEExialICT6, SIL2 approval),Inductive Type
- 03 - 2xP&F model: NBN5-F7-E2(3-wire/NO/PNP,IP67),Inductive Type

### Brecket Type

- A - 80x30x20 Stainless steel/Aluminium
- B - 80x30x30 Stainless steel/Aluminium
- C - 80x30x30 Stainless steel/Aluminium



### Altigen Otomasyon End.Sis.San.ve Tic.Ltd.Şti.

Merkez : Başakşehir / İstanbul Tel : +90 212 243 09 75

Şube : Gebze / Kocaeli Tel : +90 262 644 43 08

E-Mail : [info@altigen.com.tr](mailto:info@altigen.com.tr)

Web : [www.altigen.com.tr](http://www.altigen.com.tr)