



+28V line is always powered  
 GND is connected to good airframe ground  
 Apply +28 to **one** of "TAKEOFF", "UP", or "LAND" inputs  
 Corresponding "IND" line goes high when position achieved  
 Flap In Motion line goes high when flap motor is energized

OMRON D2SW-3L2MS  
 Microswitches used, ordered  
 from Digikey (SW238-ND)

**RED** wire is N.C. (Normally Closed)  
**BLUE** wire is N.O. (Normally Open)  
**BLACK** wire is Common

TOE -> "Take Off Extend"  
 TOR -> "Take Off Retract"  
 FULL UP opens when flaps move above full up position, remains closed whenever flaps are below full up position  
 TOE snaps when moving from full up down to 12 degrees  
 TOR snaps when moving from down up to 12 degrees  
 FULL DOWN snaps at 40 degrees  
 TOE must snap prior to TOR when moving down  
 TOR must snap prior to TOE when moving up