

# FLAG

## Force Limiting / Auto Grasp

*A feature for Motion Control ProPlus Hand and ETD*

## PROSTHETIST GUIDE

### Dual Channel FLAG

#### **Enable FLAG**

Upon Power Up, the device is in standard Dual Channel Control (Differential or First-Over). To enable **FLAG**, give a **hold-open** signal (>80% Max) for 2-3 seconds, then a single “buzz” indicates **FLAG** has been activated.

#### **Disable FLAG**

**Hold open** for 2-3 seconds (>80% Max), and a double-“buzz” indicates **FLAG** has been disabled. Or, simply turn the power to the Hand or ETD off for 3-4 seconds, then on. **FLAG** is always turned off on Power Up.

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### Force Limiting

- With **FLAG** enabled, closing is still proportional, with maximum speed cut by about 50%
- On closing, when the Terminal Device comes in contact with an object, force will limit to about 2 lbs/9N of grip force – then it “buzzes”
- To pulse the force up one level: Relax below threshold, followed by a strong contraction (input signal); each pulse adds about 2 lbs/ 9N of grip force
- Grip force can be pulsed a maximum of 10 times, to about 22 lbs of pinch force
- A sustained signal of about 1 second will open the Terminal Device proportionally, in Dual Channel Control

### Auto Grasp

With **FLAG** enabled, a quick, inadvertent opening signal will result in a single pulse up in grip force, to prevent dropping of the object.