

FLAG:  
Handled  
with care.



Motion Control  
division of  
*Fillauer*®

# FLAG Force Limiting Auto Grasp

## Product Description

FLAG is available for the MC ProPlus Electric Terminal Device (ETD) and MC ProPlus Hand.

The Force Limiting feature prevents accidental crushing of delicate items, or over-squeezing a person's hand. Wearers notice that the Force Limiting feature reduces the concentration (or mental load) needed to carefully grip fragile objects.

The Auto Grasp feature assures the wearer that a sudden, unexpected shift in the electrode location will not release their terminal device's grip, but rather result in an incremental increase in pinch force. They can easily enable, or disable the FLAG feature, to suit the needs for the task at hand.

Audible and vibration feedback alerts the wearer that the Force Limit, and/or Auto Grasp feature has pulsed the force a little higher.

## Force Limiting - How it works

- 1) Enable the FLAG feature, with a Hold-Open command. A "buzz" signals the wearer that the FLAG feature is enabled.
- 2) Grasp object - the TD will stop gripping at ~ 2 lb grip force (13 N)\*. A "buzz" signals the wearer that the grip force has limited, and the motor turned off.
- 3) Pulse the grip force step-by-step to desired force - each command pulse raises force ~ 2 lb (13 N)\*. Each pulse is accompanied by a "buzz".
- 4) To disable FLAG feature, Hold-Open Command again. A double "buzz" indicates the feature is turned off.



## Auto Grasp - How it works

- 1) Hold-Open (hear and feel the "buzz").
- 2) Close on object. Terminal Device stops.
- 3) A sudden, quick opening signal (e.g., when the wearer's socket might slip, or electrodes pull away from skin) will cause a closing pulse, increasing gripping force by ~ 2lb (13 N)\*. A "buzz" is emitted by the controller at each pulse.
- 4) To disable FLAG feature, Hold-Open Command again. A double "buzz" indicates the feature is turned off.

\*Adjustable through Apple® iOS User Interface (free MCUI App)

## Product Features

- Force Limiting - prevents crushing objects due to excessive pinch force
- Auto Grasp - slightly increases the grip on an object if an inadvertent open signal is detected
- Adjustments available through Apple® iOS User Interface (MCUI App) via Bluetooth® wireless connection



## Specifications

MC ProPlus ETD or MC ProPlus Hand required to use this optional feature

## Warranty

1 year limited warranty

## Ordering Information

[www.UtahArm.com/Catalog](http://www.UtahArm.com/Catalog)

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