J3 allows pattern recognition command of Motion Control Utah Hybrid Arm electric lock with optional pronation/supination of powered wrists and open/close operation of prosthetic hands. Pattern recognition command of multifunction grips is not included.

PART 1: PHYSICAL CONNECTIONS

**MOTION CONTROL UTAH HYBRID ARM**
Hybrid Arm Control Type: Dual Channel EMG

**HYBRID ARM USER CHOICES**
- Hand Polarity: A
- Wrist Polarity: A
- Auto-Cal Enabled by Hand-Switch: No
- Auto-Cal Enabled by Power-Up: No
- Wrist Control Enabled: Yes
- Simultaneous Hand & Elbow: Yes
- Wrist Control: A
- Auto-Lock: On
- Lock Elbow on Co-Contraction: Off
- Unlock Elbow on Co-Contraction: Off
- Lock Override: On

**WRISTS**

**OTTBOCK ELECTRIC WRIST ROTATOR (NO MYOROTRONIC), MOTION CONTROL STANDARD WRIST ROTATOR (NO PROCONTROL)**

**WRIST SET UP**
- Electric Wrist Enabled: Yes
- Wrist Direction: A

**HAND SET UP**
- Input Type: EMG
- Hand Filtering: Quick
- Channel: Dual
- Control: Differential
- Hand Direction: A

**THRESHOLDS/OUTPUTS**
- A: 15
- B: 15

**INPUT GAINS**
- A: 5
- B: 5

**RELAX DELAY**
- Relax Timer: 0.1

**SWITCH CONTROL**
- Switch Rates A: 75
- Switch Rates B: 75
- Switch Window: 0.1
- Fast Access: On
- Co-Contraction: Off
- Auto-Switch Back: No

**HANDS**

***MANY/MOST HANDS SHOULD BE SET TO FACTORY DEFAULT FOR OPTIMAL OPERATION.***

**OTTBOCK SENSORHAND, MYOHAND VARIPLUS, SYSTEM ELECTRIC GREIFER, OR SYSTEM ELECTRIC HAND**
Ensure ‘control mode’/‘program’ 1

**OTTBOCK BEBIONIC**
Control Strategy: Dual Site
Open / Close Strategy: Electrodes: A,B
Control Options: Electrodes
Control Response: Proportional

In ELECTRODE SCREEN:
- Channel 1 “Blue” threshold: 10%
- Channel 1 “Red” threshold: 90%
- Channel 2 “Blue” threshold: 10%
- Channel 2 “Red” threshold: 90%

Remember to press “Send to Hand” after making any changes

**MOTION CONTROL PROHAND, PROETD/ETD2**

**HAND SET UP**
- Input Type: EMG, Hand Filtering: Quick, Channel: Dual, Conatrol: Differential, Hand Direction: A

**Thresholds/Outputs**
- A: 15, B: 15

**Input Gains**
- A: 5, B: 5