J1 allows pattern recognition command of Ottobock ErgoArm Electronic plus electric lock with optional pronation/supination of powered wrists that have rotational controllers and open/close operation of prosthetic hands. Pattern recognition command of multifunction grips is not included.

**PART 1: PHYSICAL CONNECTIONS**

**HANDS**

**I-LIMB, TASKA, VINCENTEVOLUTION3, : PSYONIC ABILITY HAND, COVVI HAND**

Ensure hand settings are the factory defaults.

**OTTOBOCK SENSORHAND, MYOHAND VARIPLUS, SYSTEM ELECTRIC GREIFER, OR SYSTEM ELECTRIC HAND**

Ensure ‘control mode’/‘program’ 1

**OTTOBOCK 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

**ERGOARM ELECTRONIC PLUS (12K50)**

**CONNECTION**

Coapt cable connection marked ‘Connect to “2”’ must plug into elbow port ‘2’ of ErgoArm Electronic Plus

Coapt cable connection marked ‘Connect to “1”’ must plug into elbow port ‘1’ of ErgoArm Electronic Plus

Coapt cable connection marked ‘Connect to “_   _”’ must plug into elbow port ‘_   _’ of ErgoArm Electronic Plus

**PART 2: SOFTWARE SETTINGS**

**ELBOW**

**OTTOBOCK ERGOARM ELECTRONIC PLUS**

Ensure that the 12K50 ErgoArm Electronic plus is setup and programmed in “Switching mode 1” (white coding plug). Refer to the 12K50 ErgoArm Electronic plus manual for details

**WRISTS**

**OTTOBOCK ELECTRIC WRIST ROTATOR WITH MYOROTRONIC**

Ensure Ottobock MyoRotronic set to ‘program 1’ defaults. Refer to the MyoRotronic manual for instructions.

**MOTION CONTROL PROWRIST ROTATOR**

**WRIST SET UP**

- Electric Wrist Enabled: Yes
- Wrist Direction: A

**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