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

**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

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

**I-LIMB, TASKA, VINCENTEVOLUTION3, : PSYONIC ABILITY HAND, COVVI HAND**
Ensure hand settings are the factory defaults.

**PART 2: SOFTWARE SETTINGS**

**ELBOW**

**OTTOBOCK ERGOARM ELECTRONIC PLUS**

**CONNCTIO**

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

**CONNEC**

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

**CONNEC**

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

**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, Control: Differential, Hand Direction: A

**Thresholds/Outputs**
- A: 15, B: 15
Input Gains
- A: 5, B: 5