PRO4 Manip communication protocols

# Summary:

The PRO4 1 DOF manipulator uses a historic (PRO3) communication protocol wrapped in a pro4 packet.

There are essentially 3 different packets that can be sent.

The PRO4 1 DOF manip does not reply, communication is 1 direction.

# Manip commands:

The manip commands conform to a standard PRO4 CSR packet with the following paramters:

Device ID: 0x42

Flag byte: 0x0

CSR Address: 0xF0 (Address for custom command)

Payload Length: 0x08

Essentially the manip command is embedded in the second to last payload byte.

0x03 == manip open

0x02 == manip close

0x00 == manip stationary

## Open:

**0xfa 0xaf 0x42 0x00 0xf0 0x08 0xef 0x35 0x49 0x00 0x00 0x00 0x00 0x03 0x00 0x7f**

## Close:

**0xfa 0xaf 0x42 0x00 0xf0 0x08 0xef 0x35 0x49 0x00 0x00 0x00 0x00 0x02 0x00 0x7e**

### Stationary:

**0xfa 0xaf 0x42 0x00 0xf0 0x08 0xef 0x35 0x49 0x00 0x00 0x00 0x00 0x00 0x00 0x7c**