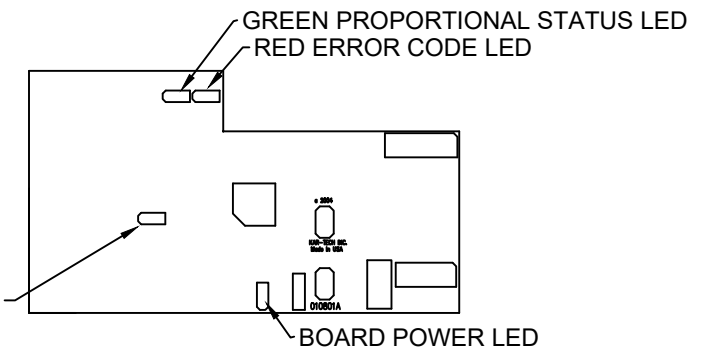
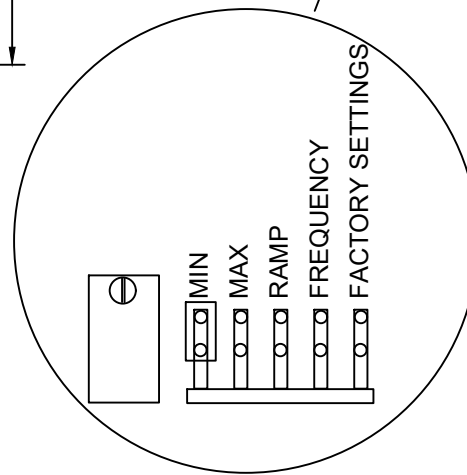
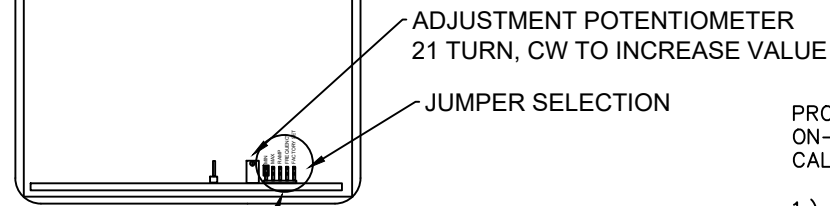
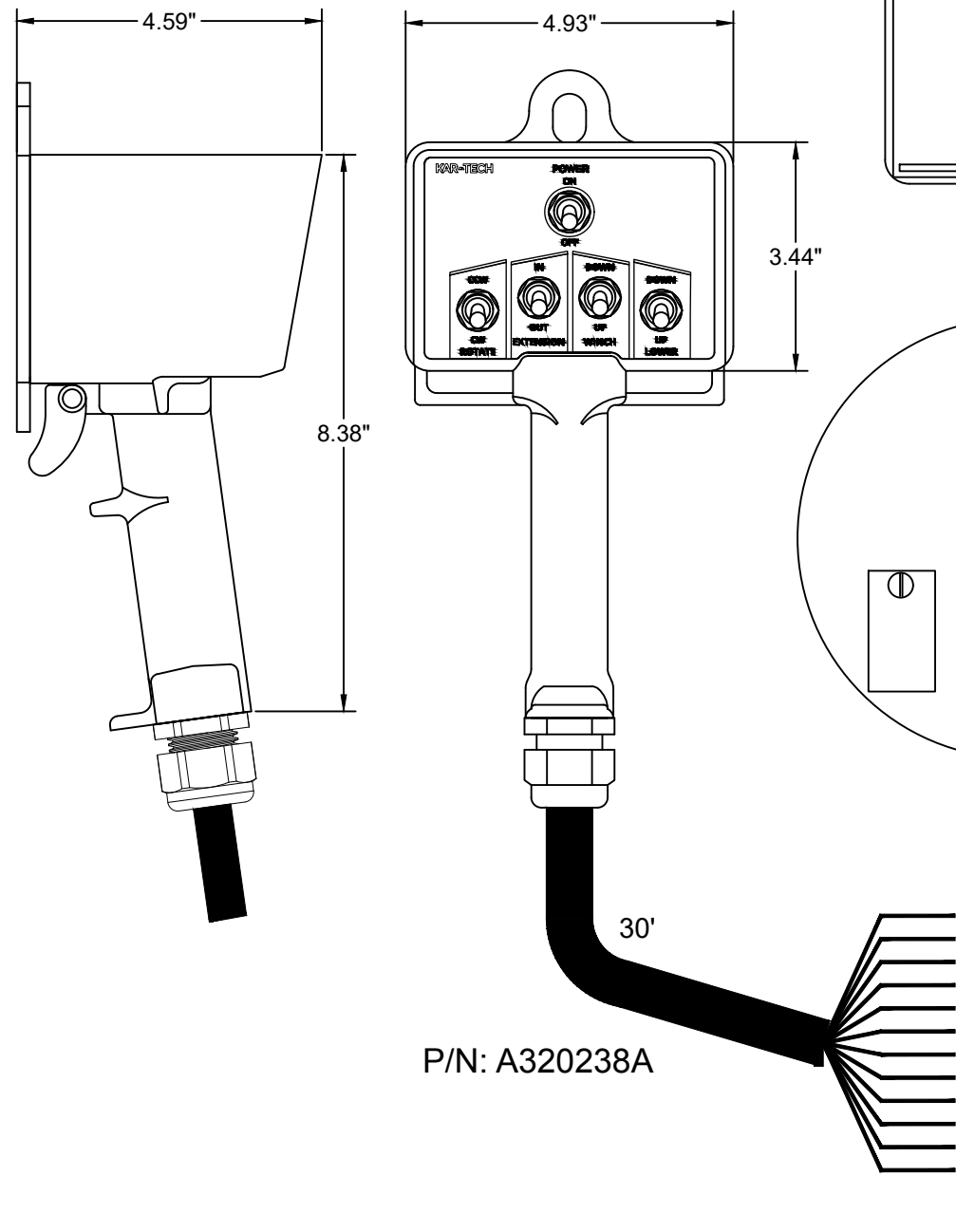


WHEN AN ERROR IS PRESENT, THE RED ERROR CODE LED WILL FLASH A NUMBER OF TIMES FOLLOWED BY A PAUSE, THEN REPEATS THE CODE. THE NUMBER OF FLASHES IS THE NUMBER OF THE ERROR CODE:

- 1-TRIGGER PROBLEM/TRIGGER OUT OF RANGE
- 2-PROPORTIONAL OUTPUT PROBLEM
- 3-SHORT OR OPEN TO DUMP VALVE



PENDANT PC BOARD - TOP VIEW



PROPORTIONAL OUTPUT CAN BE CALIBRATED USING THE ON-BOARD JUMPERS AND ADJUSTMENT POTENTIOMETER. TO CALIBRATE USE THE FOLLOWING PROCEDURE:

- 1.) SELECT THE DESIRED PARAMETER TO CHANGE BY INSTALLING A SHORTING JUMPER ON THE CORRESPONDING SET OF PINS AS SHOWN ABOVE:
 "MIN" TO ADJUST THE MINIMUM PROPORTIONAL OUTPUT SETTING (WHEN TRIGGER IS BARELY PULLED FROM REST POSITION),
 "MAX" TO ADJUST THE MAXIMUM PROPORTIONAL OUTPUT SETTING (WHEN TRIGGER IS FULLY PULLED),
 "RAMP" TO ADJUST THE RAMPING FOR THE PROPORTIONAL OUTPUT,
 "FREQUENCY" TO ADJUST THE FREQUENCY OF THE PROPORTIONAL OUTPUT. DO NOT ATTEMPT TO ADJUST THE FREQUENCY OF THE DRIVER UNLESS A METER TO MEASURE FREQUENCY IS USED. ADVERSE FUNCTIONALITY MAY RESULT.
- 2.) ADJUST THE VALUE TO THE DESIRED SETTING USING THE ADJUSTMENT POTENTIOMETER SHOWN ON THE DRAWING.
- 3.) SAVE THE PARAMETER BY REMOVING THE JUMPER FROM THE SELECTED PARAMETER PINS. REMEMBER TO REMOVE THE JUMPER AFTER SETTING THE DESIRED PARAMETER, SO THE SETTING CAN BE SAVED.
- 4.) REPEAT PROCEDURE TO CHANGE ANY AND ALL PARAMETERS FOR THE PROPORTIONAL OUTPUT. REMEMBER TO REMOVE THE PARAMETER JUMPER DURING REGULAR USAGE TIMES. PLACE JUMPER IN HORIZONTAL POSITION WHEN NO ADJUSTING PROPORTIONAL OUTPUT.

NOTE:

1. DUMP/PUMP OUTPUT TURNS ON WHEN TRIGGER MOVED FROM REST POSITION AND PROPORTIONAL OUTPUT IS ON.
2. THE "FACTORY SETTINGS" JUMPER WILL RETURN THE PROPORTIONAL OUTPUT TO RUN WITH FACTORY PROGRAMMED VALUES FOR MIN, MAX, RAMP, AND FREQUENCY. THE FACTORY SETTINGS ARE:

MIN=200 mA
 MAX=1400 mA
 RAMP=0 SEC
 FREQUENCY=200 Hz

FOR NORMAL OPERATION, ALWAYS REMOVE THE JUMPER AND PLACE HORIZONTALLY ACROSS TWO PINS WHEN NOT ADJUSTING ANY OF THE SETTINGS.

| WIRE | COLOR | DESCRIPTION |
|------|--------------|----------------------|
| 1 | RED | POWER +12V |
| 2 | BLACK | GROUND |
| 3 | BLUE | ROTATE CCW OUTPUT |
| 4 | ORANGE | ROTATE CW OUTPUT |
| 5 | GREEN | EXTENSION IN OUTPUT |
| 6 | WHITE | EXTENSION OUT OUTPUT |
| 7 | RED/BLACK | WINCH DOWN OUTPUT |
| 8 | BLUE/BLACK | WINCH UP OUTPUT |
| 9 | ORANGE/BLACK | LOWER DOWN OUTPUT |
| 10 | GREEN/BLACK | LOWER UP OUTPUT |
| 11 | WHITE/BLACK | PROPORTIONAL OUTPUT |
| 12 | BLACK/WHITE | DUMP/PUMP OUTPUT |

P/N: A320238A

| CAD DRAWING DO NOT REVISE MANUALLY | | | | | | IMPLIED TOLERANCE | |
|------------------------------------|-------|----------|---------|----------|---------------|-------------------|-----------|
| SCALE | DRAWN | DATE | CHECKED | APPROVED | DRAWING NO. | XX | ± .1 |
| FULL | HJK | 01-30-14 | | | 32-023-8-A-2A | XXX | ± .05 |
| | | | | | | XXXX | ± .015 |
| | | | | | | FUNCTION | ± 1/8 |
| | | | | | | ANGULAR | ± .05 deg |