



NOTES/TIPS

- 1 - MOVING PLATFORM, HEIGHT WILL VARY WHEN POWERED AND UNPOWERED.
- 2 - USE NYLON MOUNTING SCREWS PROVIDED TO MOUNT SAMPLE HOLDER TRAY. ENSURE SCREWS DO NOT PROTRUDE INTO 0.7mm OTHERWISE THIS MAY RESTRICT THE MOTION OF THE STAGE. 4 GRUB SCREWS ON MOST SAMPLE HOLDERS CAN BE USED TO LEVEL THE SAMPLE IF REQUIRED.
- 3 - WHERE POSSIBLE USE ALL 6 MOUNTING POINTS. THE STAGE MAY NOT OPERATE CORRECTLY WHEN INSUFFICIENT MOUNTINGS ARE USED OR THOSE USED ARE NOT TIGHT.
- 4 - THE STAGE MUST BE MOUNTED TO A FLAT SURFACE WHEN POWERED.
- 5 - IF DURING OPERATION THE STAGE BEGINS TO VIBRATE (RESONATE) POWER DOWN THE SYSTEM QUICKLY. IT IS LIKELY THE STAGE IS BEING USED OUTSIDE THE LIMITS OF THE CURRENT SETUP.
  - A. IF A LARGE LOAD MASS HAS JUST BEEN ADDED EITHER REMOVE IT OR SELECT A SLOWER TUNING PRESENT THAT WILL SUPPORT THAT LOAD
  - B. ENSURE THE STAGE AND SAMPLE IS BOLTED DOWN FULLY.
  - C. REMOVE INPUT COMMANDS
  - D. IF STILL VIBRATING PLEASE CONTACT PRIOR FOR ASSISTANCE.
- 6 - WHEN THE STAGE IS NOT IN USE FOR LONG PERIODS IT IS ADVISABLE TO EITHER POWER DOWN THE STAGE OR LEAVE THE COMMAND AT 0. THIS WILL HELP TO ENSURE A LONG LIFE. AVOID USING THE STAGE ABOVE 60% RELATIVE HUMIDITY FOR LONG PERIODS.
- 7- FOR LOADS GREATER THAN 600g PLEASE SPECIFY WHEN ORDERING SO THAT STAGE CAN BE SETUP TO SUPPORT THIS. DEFAULT SETTINGS ARE OPTIMISED FOR 200g SAMPLE HOLDER AND A SLOWER SETTING FOR 500g TYPICAL INCUBATOR. OTHER LOADS CAN BE OPTIMISED ON REQUEST.
- 8- AVOID SPILLING LIQUIDS ON THE STAGE (150V RISK OF SHOCK !) . IF THIS HAPPENS POWER DOWN THE CONTROLLER IMMEDIATELY. AFTER 30 SECONDS UNPLUG THE STAGE TIP THE STAGE ON ITS END TO DRAIN ANY LIQUIDS. LEAVE TO DRY FULLY. ONCE FULLY DRY REPOWER THE SYSTEM. IF THE STAGE IS NON OPERATIONAL RETURN FOR REPAIR.
- 9 - THE STAGE IS ROBUST COMPARED TO MOST STAGES OF THIS TYPE HOWEVER AVOID EXCESS LOAD (EG LEANING) ON THE STAGE OR FLEXURE MECHANISMS WITHIN THE STAGE MAY BE DAMAGED. THE CABLE IS SENSITIVE DO NOT LIFT THE STAGE BY IT OR BEND THE CABLE BEYOND A 30MM RADIUS.

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|--|--|------|---|--------|----------|---|
| TITLE  | SP200, SP400, SP600 INSTALLATION DRAWING |      |   | APRVD. | D.E.     | 3RD ANGLE  DO NOT SCALE IF IN DOUBT ASK     |
| DRG. No.   | SP400 INSTALLATION DRAWINGSHEET 1 OF 1   | ISS. | A | DRAWN  | JC       |   |
| MATL.  | ALUMINIUM AND STEEL                      |      |   | SCALE  | 1:2      | TOLERANCE UNLESS OTHERWISE STATED<br>±0.1mm |
| FINISH   | BLACK                                    |      |   | DATE   | 12.02.20 |   |
| PRIOR Scientific Instruments Ltd. Fulbourn, Cambridge. |  |      |   |        |          | BREAK ALL SHARP EDGES                       |

| ECN     | REV | CREATED | APP  | DATE     | DETAILS     |
|---------|-----|---------|------|----------|-------------|
| 1st Rel | A   | JC      | D.E. | 12.02.20 | 1st Release |
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