



NOTES

1. MOUNTING TORQUE
 - M4: 1.5N.m
 - M3: 0.63N.m
2. STAGE INSTALLATION
 - TO ALIGN STAGE CALIBRATED AXIS OF MOTION TO YOUR SETUP THE "ALIGNMENT DATUM" CAN BE USED.
 - HOLD STAGE ALIGNMENT DATUM AGAINST REFERENCE EDGE AND TIGHTEN 4 x M4: 1.5N.m MACHINE SCREWS.
3. IF A FAST TUNING SETTING IS SELECTED OR THE PID SETTING IS ADJUSTED OR A LARGE MASS IS ADDED, IT IS POSSIBLE THAT THE STAGE CAN GO UNSTABLE. PLEASE POWER DOWN OR RETURN SETTING TO A SLOWER SETTING AS SOON AS POSSIBLE TO AVOID CAUSING STAGE DAMAGE. WHERE POSSIBLE LET QUEENSGATE KNOW STAGE LOAD SO THAT TUNING CAN BE OPTIMISED TO GIVE BEST DYNAMIC PERFORMANCE. WHERE THE STAGE HAS NOT BEEN TUNED FOR LARGE LOADS USE SLOW PID MAX LOAD IS 1KG IN Z AXIS.
4. STAGE CABLE LENGTH IS 2m STANDARD, 14mm MAX BEND RADIUS, WITH A 17W2 D TYPE CONNECTOR. DO NOT CUSTOMISE CABLING AS THIS WILL AFFECT STAGE CALIBRATION. CALIBRATION SETTINGS ARE STORED WITHIN STAGE CONNECTORS.
5. THE STAGE HAS 8 TUNING SLOTS, SLOW, MEDIUM, FAST, C1, C2, C3, C4 AND C5. SLOW MEDIUM AND FAST ARE ALWAYS PRE-SET, C1 AND C2 ARE EXTRA FAST SETTINGS C3, C4, C5 ARE CUSTOM SETTINGS THAT CAN BE PROGRAMED. SLOW SETTINGS GIVE BEST RESOLUTION, FASTER SETTINGS GIVE BEST DYNAMIC PERFORMANCE.
6. HANDLE STAGE WITH CLEAN GLOVES, IF CLEANING IS REQUIRED, A LINT FREE CLOTH DAMPED WITH IPA CAN BE USED TO WIPE SURFACE.

TITLE	NPS-XY-100D INSTALLATION DRAWING		APRVD.		3RD ANGLE DO NOT SCALE IF IN DOUBT ASK	
DRG. No.	QG-0213-IN-100001	ISS.	1	DRAWN		JClarke
MATL.	ALUMINIUM		SCALE	1:1		
FINISH	NICKEL		DATE	03.04.17		
PRIOR Scientific Instruments Ltd. Fulbourn, Cambridge.					TOLERANCE UNLESS OTHERWISE STATED ±0.1mm BREAK ALL SHARP EDGES	

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