

TECHNICAL INFORMATION SHEET – NUMBER 371

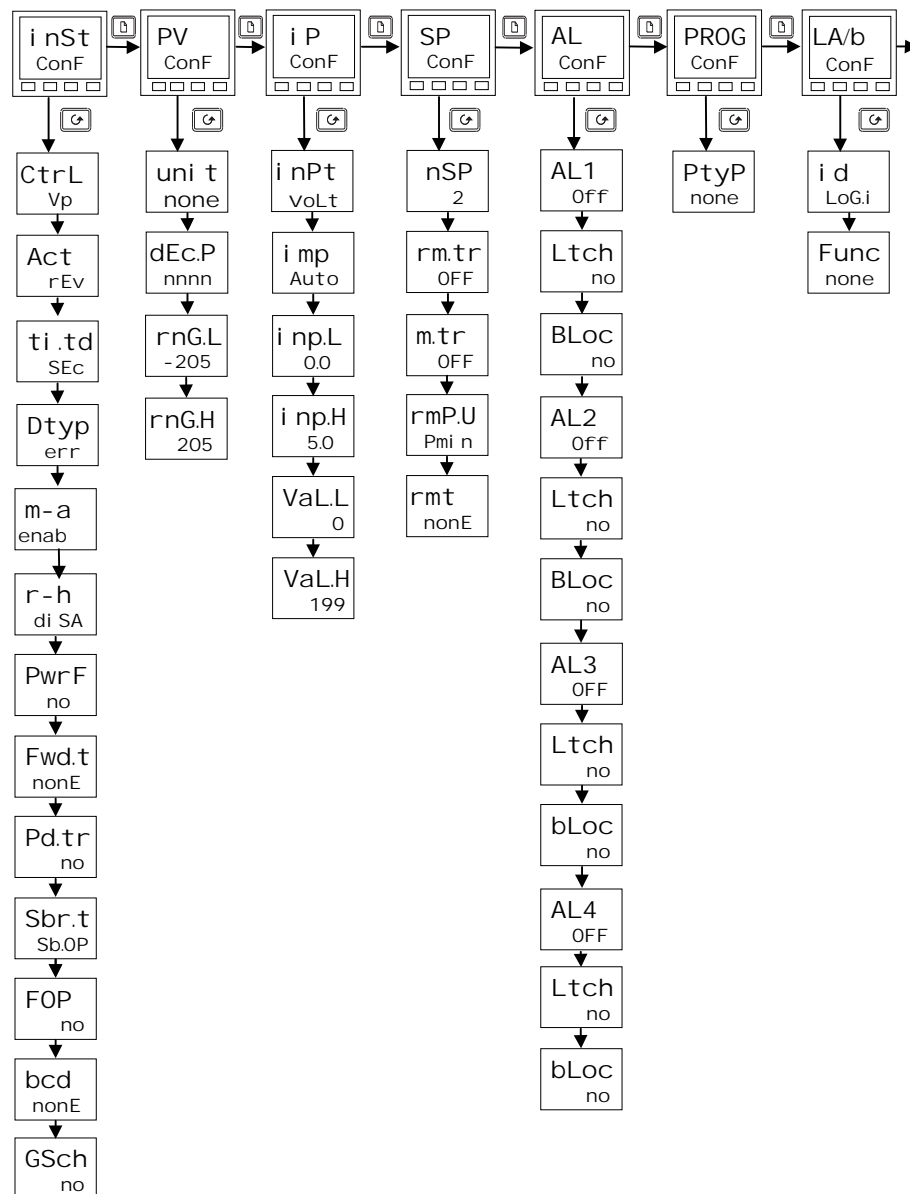
2404 AS A 929 RATIO CONTROLLER REPLACEMENT

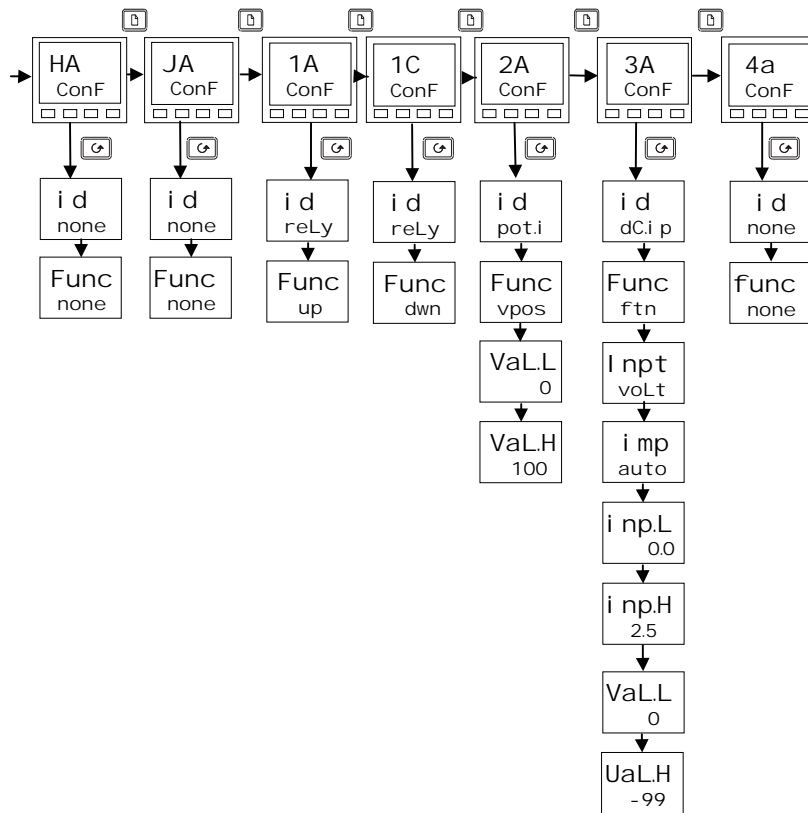
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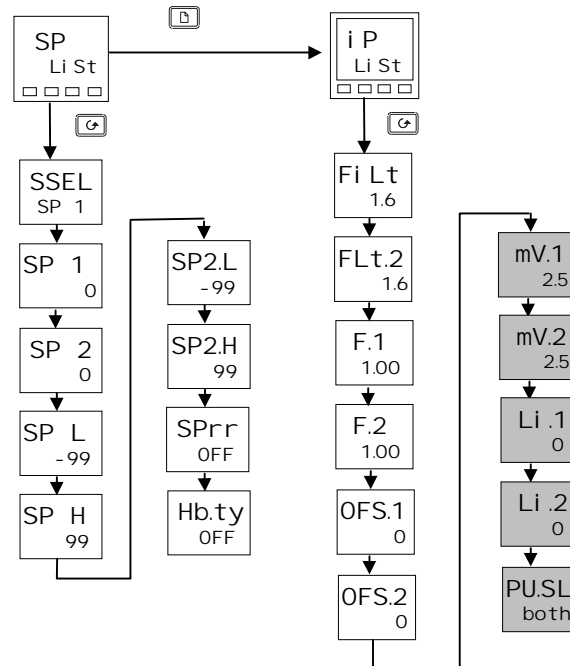
ISSUED BY THE TECHNICAL SUPPORT DEPARTMENT

The 929/VM/AM/2.5V/0-199%/P100/VP/115V/X/A/Z2.5V with the non-standards NS3C0827K48F50 can be replaced with a 2404/VC/VH/RM(or TM)/VS/WP/XX/XX/XX/XX/ENG. The 929 was a non-standard ratio controller bought by TEC Systems for application in the printing industry. The controller maintained a cushion of air as the web wound around a cylinder. The 2404 is a standard valve positioner and the outputs can be either relays or triacs. Alarms could be added to the unit as required. The following is the configuration of the instrument. There is also an iTools configuration file available.





The following are the relevant operation parameters that will need to be set. The unit will operate much like the 929 did. The display will show a form of deviation off of 100%. In other words, if the customer needs to have 110% setpoint, as set in the 929 controller. Then, the setpoint of the 2404 controller will be set to +10 and the display will go to +10 when the process reaches that ratio value. If you customer need to have a 90% setpoint, then the 2404 setpoint is -10%. And the display should follow to -10.



The shaded boxes are parameters that are not adjustable.