

C743 (STUDIO 2000) OPERATING INSTRUCTIONS

IMPORTANT NOTE – THIS CONTROLLER IS ONLY CALIBRATED
FOR TYPE “S” Pt.Pt.Rh. 10% THERMOCOUPLES

- (1) Connect controller to kiln.
- (2) Ensure energy regulator (s) on kiln are set to full.
- (3) Ensure knob (1) on controller is set to 0.
- (4) Switch on power – controller will display existing kiln temperature.
- (5) Press and hold in the 1st setpoint button and rotate knob (2) in either direction until desired 1st setpoint temperature is displayed. This will be the temperature at which the controller will come out of controlled heating (ramp) and move to full power mode. Release button when desired temperature is displayed.
- (6) Press and hold in Top temperature set button and rotate knob (4) in either direction until desired top temperature is displayed. Release button.
- (7) Decide whether you want cut off at top temperature or a timed soak. For cut off, ensure knob (3) is in cut off position. For soak, rotate knob (3) clockwise until desired soak time in minutes is set.
- (8) Finally, rotate knob (1) clockwise to desired percentage of full power for ramp section. Kiln will now energise and follow programme.

Red light “on” displays kiln operation i.e. on or off.

Red light “programme ended” lights up at end of sequence.



NEW STUDIO 2000 CONTROLLER FROM
CROMARTIE (MODEL REF. C743)

RED L.C.D. DISPLAY

RED LIGHT
PROGRAMME ENDED

RED LIGHT "ON"
KILN CONTACTOR "ON"

1st SET POINT
SET BUTTON

TOP TEMPERATURE
SET BUTTON

FUNCTIONS

FULLY AUTOMATIC PROGRAMME SEQUENCE

DIGITAL INDICATING

KILN "ON" INDICATOR

PROGRAMME FINISHED INDICATOR

RAMP CONTROL TO FIRST SET POINT BY PERCENTAGE REGULATOR

FULL POWER SECTION TO TOP TEMPERATURE

TIMED SOAK (MAX. 2 HOURS) OR CUT OFF AT TOP TEMPERATURE