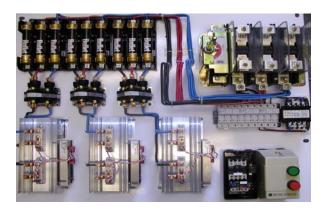
HCS Custom Control Panels HCS





Custom Control Panels for a wide variety of applications are manufactured by Heaters Controls And Sensors. From Custom Control Panels that are needed to operate in 60°C environments, to laboratory controllers that are to maintain temperatures within +/- 0.01°C.

These Custom Control Panels could be made to withstand washdowns with corrosive chemicals with all components on the panel conforming to IP 65 and NEMA 4X. Integration of components for steam booster heaters or recirculation heaters with flow fail safe interlocks are also available.

Applications include temperature controls with Hi temperature fail-safe alarms (FM approved) Loop break alarms, Heater break alarms, heater Current Indication and Shorted Output Device (contactor) alarms or annunciation.

Custom Control Panels Features:

- Quick delivery
 State-of-the-art technology and engineering
- Integration of temperature, level, pressure, motor and motion control
- Hydro Approved and CSA or C UL components used throughout
- NEMA 4X, NEMA 4 and NEMA 7 explosion proof panels available
- Versatile precision LAB control, plant process or plant system engineering
- Easy adaptation to existing plant switch gear or specification

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HCS Heaters Controls & Sensors Ltd HCS

Custom Control Panels Ordering Information:

EXAMPLE : CCP - SCR - 1 - S - 04 - 6 - J - D - B

CCP = Custom Control Panel SCR power control 120 volts single phase

NEMA 4 housing 1/16 DIN temperature controller Type J thermocouple input

Digital Hi Limit & Heater Break Alarm

Type of POWER Control

SCR = SCR Power Controller MDR = Mercury Relay MEC = Mechanic Relay

VOLTAGE

1=120 volts, 2=208/240, 3=370/380, 4 = 460/480, 6=575/600

PHASE

S = Single T = Three

ENCLOSURE NEMA Rating

01 = General Purpose NEMA 1

3R = NEMA 3R Weather Resistant

04 = Moisture Resistant NEMA 4

4X = Corrosion/Moisture Resistant NEMA 4X

47 = Moisture/Explosion Proof NEMA 4/7

07 = Explosion Resistant NEMA 7

12 = Dust and Oil Resistant NEMA 12

Size of TEMPERATURE

6 =1/16 DIN, 8=1/8 DIN, 4=1/4 DIN, 3=32 DIN

Type of INPUT/SENSOR

R=RTD, 4=4 TO 20 Amps, 1=1 to 5 VDC, X=Special

Thermocouples specify J, K, R, S, T, E, N

MAXIMUM SYSTEM kW System Power

Type of HI LIMIT

D = Digital Hi Limit FM Approved

A = Analog Hi Limit Back Panel Mount

ALARMS

H = Aux. Hi Alarm (Deviation or Process) with Mechanical Relay Fail

B = Heater Break Alarm

L = Loop Break Alarm

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