

## 413X Series 7800 SCR Power Controllers In an Enclosure

- **7810, 7820, or 7830 Series SCR Power Controllers in An Enclosure**
- **Allows Addition of SCR to A System Without Rearranging Existing Equipment**
- **Rugged NEMA 12 Construction Enclosures**
- **Enclosure Ventilated and Fan Cooled to be Installed in Ambient of 40 C (104 F) with SCR at 100% Output**

### Description

The 413X Series panels provide a simple to install solution for adding an SCR to an existing heater control system. The panels are simply a Chromalox model 7810, 7820 or 7830 in an enclosure. Since SCRs generate heat, the panel is ventilated and fan cooled to allow the selected 7800 controller to operate at 100% output with an ambient of 40 C (104 F).

### Ordering Information

Complete the Model Number using the Matrix provided.

#### Model 7800 Power Controllers in an Enclosure

NEMA 12 Construction, SCR Controller in an Enclosure, I<sup>2</sup>T Fusing, LED Indication of Firing, Isolated SCR's, Forced Air Cooling. DOT Fired Proportional Zero-Crossover: Terminals provided for 0-5mA, 0-20mA, 0-50mA, 1-5mA, 4-20mA, 10-50mA, 0-5Vdc, and 0-10Vdc inputs.

**4131** With a 7810 Power Controller  
**4132** With a 7820 Power Controller  
**4133** With a 7830 Power Controller

Code	# CKTS	Max. Amps/CKT.	Max. Total Amps.	NEMA 12 Enclosure Dimensions	SCR Component	Optional Meter Scaling
01	1	30	30	20 x 20 x 12	78X0-301	30 Amp
02	1	50	50	20 x 20 x 12	78X0-302	50 Amp
03	1	75	75	20 x 20 x 12	78X0-303	80 Amp
04	1	100	100	20 x 20 x 12*	78X0-304	100 Amp
05	1	125	125	20 x 20 x 12*	78X0-305	150 Amp
06	1	150	150	20 x 20 x 12*	78X0-306	150 Amp
07	1	175	175	20 x 20 x 12*	78X0-307	200 Amp
08	1	200	200	20 x 20 x 12*	78X0-308	200 Amp
09	1	250	250	24 x 24 x 12*	78X0-309	300 Amp
10	1	300	300	24 x 24 x 12*	78X0-310	300 Amp
11	1	400	400	30 x 24 x 12*	78X0-311	400 Amp

  

Code	Voltage
1	208 Vac
2	240 Vac
3	380 Vac

  

Code	Ammeter Option
0	None
1	Ammeter and Current Transformer.

  

Code	Shorted SCR Detection Option
0	None
1	Shorted SCR Detection Circuit**

  

<b>4132</b>	-	<b>04</b>	<b>5</b>	<b>0</b>	<b>1</b>	Typical Model Number
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\* On the Model 4133 the enclosure sizes are:  
 24x24x12 for 100-150A units, 30x24x12 for  
 175-300A units, 36x24x12 for 400A units

\*\* Shorted SCR Detection is not available on the 4131