

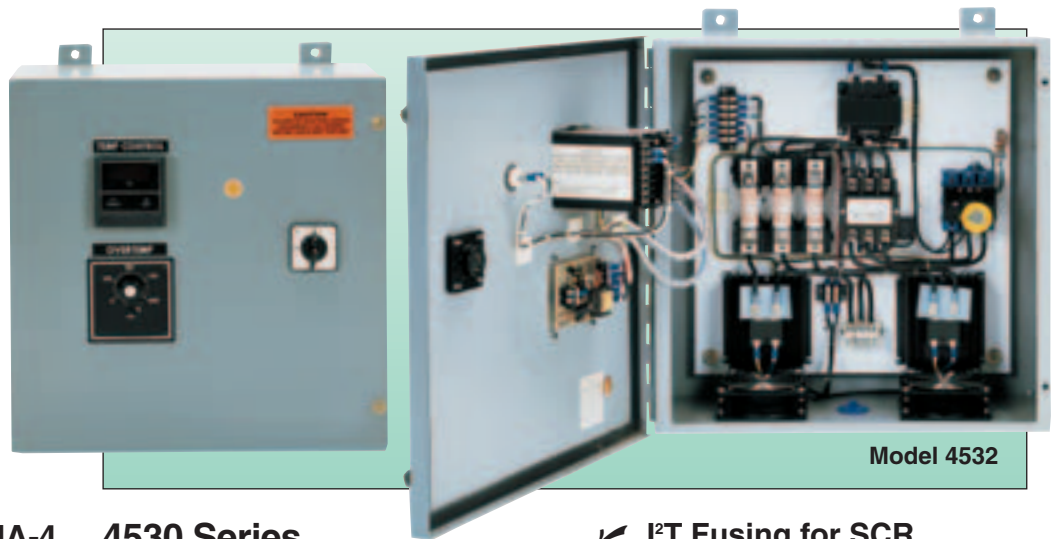
Pre-Wired SCR Temperature/Power Control Panels

4530 Series
\$2850
 Basic Unit



- ✓ Pre-Wired, Ready to Install
- ✓ Zero-Crossover Fired
- ✓ 3-Phase, 2-Leg
- ✓ NEMA-12 and NEMA-4 Enclosures Available

The 4530 Mini SCR Panel Series is an economical, convenient solution to mid-range SCR power control requirements, eliminating the need to select, collect and assemble separate components. The preconfigured panels are ready to install, requiring only power supply, load and sensor wiring. Their compact packaging makes them easy to mount, even in limited spaces.

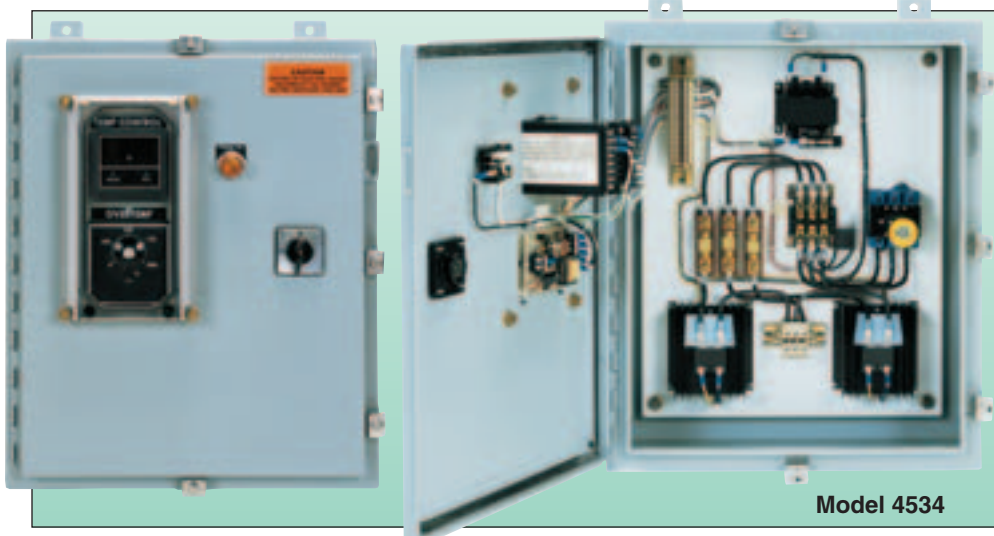


Model 4532

4530 Series Panels Include:

- ✓ Enclosure: NEMA-12 General Purpose, NEMA-4 Weatherproof
- ✓ Control Signal Input Device
- ✓ Zero-Crossover Fired SCR Power Controller(s)
- ✓ PID Controller
- ✓ Manual Disconnect Switch

- ✓ I²T Fusing for SCR Protection
- ✓ Over Temperature Shutdown Contactor
- ✓ Power “ON” Pilot Light
- ✓ Over Temperature Controller with Reset Pushbutton
- ✓ Drawings for Record
- ✓ Installation and Operation Manual



Model 4534

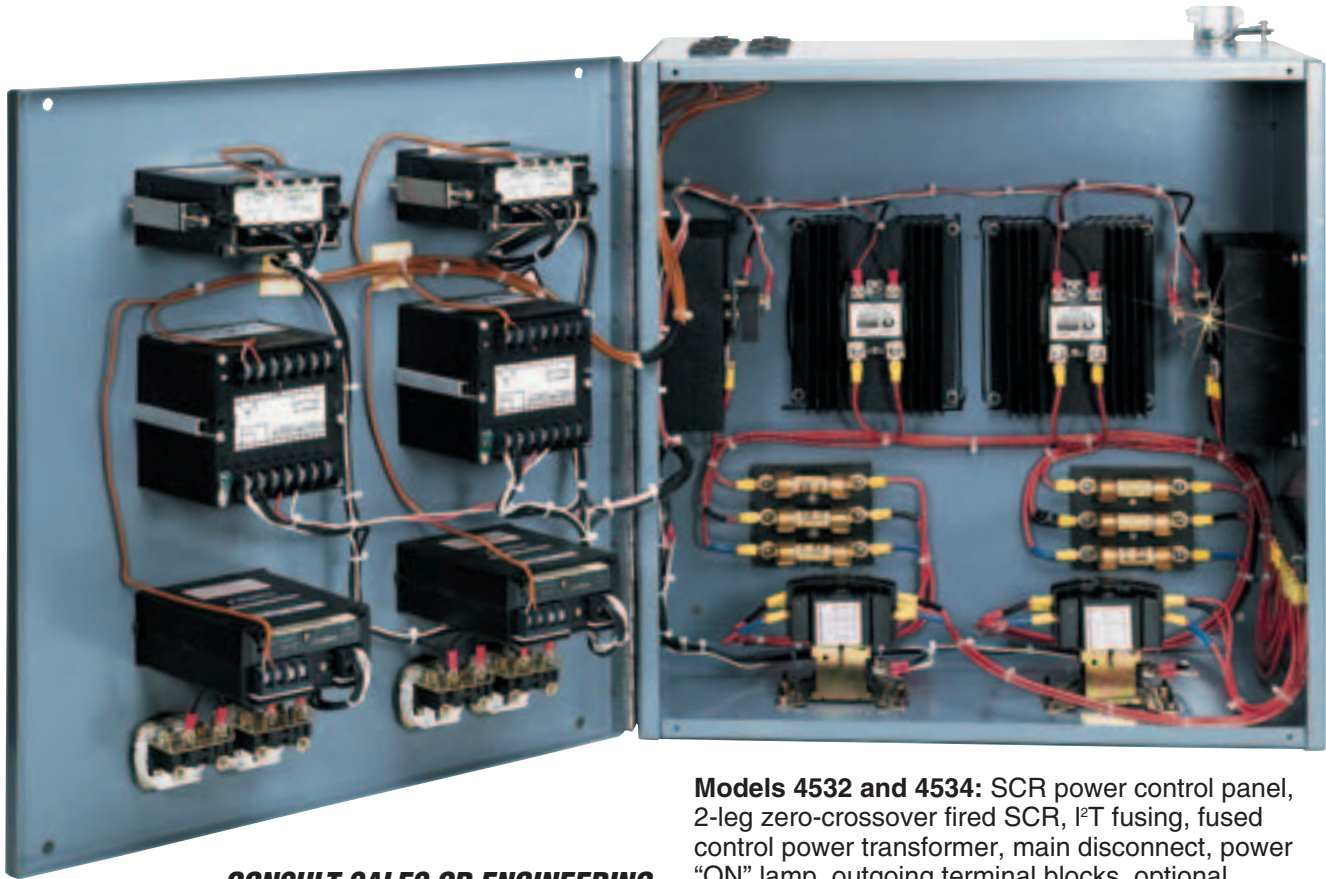
NEMA-4 Enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water and hose-directed water.

NEMA-12 Enclosures are intended for indoor use primarily to provide a degree of protection against dust, falling dirt, and dripping non-corrosive liquids.

Note: These descriptions are not intended to be complete representations of National Electric Manufacturers Assoc. (NEMA) standards for enclosures.

4532 and 4534 Series Specifications

Voltage (Multi-Tap Transformer)	Amps			Power at 40°C (104°F)				External Dimensions mm (in)	
	NEMA-12 40°C (104°F)	NEMA-4 25°C (77°)	NEMA-4 40°C (104°F)	Three-Phase Loads		Two Single Phase Loads (per phase)		NEMA-12 Enclosure	NEMA-4 Enclosure
				NEMA-12	NEMA-4	NEMA-12	NEMA-4		
120 Vac	90 A	50 A	30 A	-	-	11.0 kW	3.5 kW	508 x 508 x 229 (20 x 20 x 9)	610 x 610 x 254 (24 x 24 x 10)
240 Vac				37.5kW	12.5 kW	21.5 kW	7.0 kW		
480 Vac				75.0kW	25.0 kW	43.0 kW	14.5 kW		



**CONSULT SALES OR ENGINEERING
FOR SPECIAL CONFIGURATIONS!**

To Order (Specify Model Number)

Model Number	Input Code	Over-Temp Code	Price
4532-401-(*)	1	1 or 2	\$2850
4532-4013	1	3	3185
4532-402-(*)	2	1 or 2	2950
4532-4023	2	3	3285
4532-405-(*)	5	1 or 2	3330
4532-40530	5	3	3665
4534-401-(*)	1	1 or 2	3050
4534-4013	1	3	3385
4534-402-(*)	2	1 or 2	3150
4534-4023	2	3	3485
4534-405-(*)	5	1 or 2	3530
4534-40530	5	3	3865

*Specify "1" for J thermocouple over-temp input, "2" for K thermocouple over-temp input.

Ordering Example: 4532-405-1, control panel with NEMA-12 enclosure, digital indication PID temperature controller, and non-indicating over-temp with Type J input, **\$3330**.

Replacement Parts

Model Number	Price	Description
4115-40900	\$190	Solid state relay
0024-03016	22	I ² T fuse 60 A
0024-03072	40	I ² T fuse 100 A

For Additional Controllers and Indicators, See Section M

Models 4532 and 4534: SCR power control panel, 2-leg zero-crossover fired SCR, I²T fusing, fused control power transformer, main disconnect, power "ON" lamp, outgoing terminal blocks, optional temperature and over-temperature controllers

Model 4532: Control Panel as described above in louvered, fan cooled NEMA-12 enclosure, door mounted controllers. Approximate shipping wt, 41 kg (90 lb)

Model 4534: Control Panel as described above in NEMA-4 enclosure, sub-panel mounted controller(s) with panel door window, door mounted reset pushbutton

Primary Temperature Controller/Input

Input Code	Description
1	Terminal connections for remote control signal: 4 to 20 mA, 3 to 20 Vdc, contact closure or 10 K potentiometer. Includes VW series power controller
2*	Door mounted 10 K potentiometer, 0 to 100% power output scale. Includes VW series power controller
5*	Digital indication PID temperature controller, Model CN3251, door mounted

*Note: Review VW and CN3251 Series specifications beginning on page P-61.

Over-Temperature Controller Options

Over-Temp Code	Description
1	Non-indicating, 0 to 1000°F, Type J thermocouple
2	Non-indicating, 500 to 1500°F, Type K thermocouple
3	Digital indication over-temp controller, Model CN3101

*Note: Review CN3101 Series specifications beginning on page P-90



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters