

6040/8040/4040 Temperature & Process Controllers

- Universal Input
- Jumperless Configuration
- Auto Detected Hardware
- Process & Loop Alarms
- ModBus Communications
- Auto or Manual Tuning
- Heat/Cool Operation
- Up to 3 Outputs
- Optional 24 Vdc Transmitter Power Supply
- Ramping Setpoint
- Adjustable Hysteresis
- Valve Motor Drive Position
- Heater Break Alarm Function
- Remote/Dual Setpoint Options
- Security Options
- Available in 1/16, 1/8 & 1/4 DIN Sizes
- Optional Configuration Software
- UL, cUL, CE & CSA
- 3 Year Warranty



Description

Whether you have to manage temperature, flow, valve positioning or pressure, the Chromalox 40 Series Temperature & Process Controllers provide you with a comprehensive feature list and the flexibility to meet your most demanding process needs.

Application needs change over time, but that doesn't mean that you'll need to change your controller. The Chromalox 40 series modular card design provides the owner with the flexibility to alter the functionality with ease. Expansion from 1 to 3 outputs, as well as communications and remote setpoint is easily accomplished and automatically recognized by the firmware.

The optional ChromaWare™ configuration software allows the owner to program multiple units efficiently and store parameter settings for later use.

The 40 Series Controllers are an ideal complement in both design and esthetics to its cousin, the Chromalox 50 Series Limit Controllers.

Features

- Universal Input
- Full PID with Pre-tune, Self-tune, Manual tuning, or On-Off control. Heat only or Heat & Cool
- Auto Detected Hardware

- Process & Loop Alarms
- ModBus Communications
- Auto or Manual Tuning
- Heat/Cool Operation
- Ramping Setpoint
- Valve Motor Drive Position Option
- Heater Break Alarm Function Option
- Alarm 1 & 2 Types:
 - Process high/Process low
 - SP deviation, Band
 - Logical OR / AND
 - Also 1 loop alarm for process control security.
 - Process alarms have adjustable hysteresis.
- 24 VDC Output for loop power
- PC Configuration Software
- Remote Setpoint Input:
 - 0 to 20mA, 4 to 20mA, 0 to 5V, 1 to 5V, 0 to 10V or 2 to 10V.
 - Scaleable -1999 to 9999.
 - Local/Remote setpoint selected from front panel
- Output Configuration:
 - Up to 3 possible, for control, alarm, 24 VDC transmitter power supply or retransmit of process value or Setpoint

Accessories

Models	Description	Part Number
40 & 50 Series	ChromaWare Configuration Software	0149-50060
	Cable for Configuration Software	0149-50062
	Snubber	0149-01305

Stocked Items

DIN Size	Part Number	PCN	DIN Size	Part Number	PCN
1/16	6040-R00000	314616	1/16	6040-RRR001	314659
1/16	6040-S00000	314720	1/8	8040-R00000	314544
1/16	6040-RR0000	314624	1/4	4040-ARR000	314528
1/16	6040-SR0000	314632	1/4	4040-R00000	314704
1/16	6040-RRR000	314640	1/4	4040-RRR000	314510