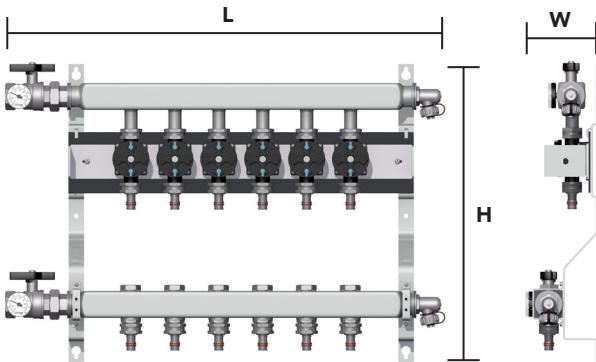


Cross® Stainless Steel Manifold Technical Info

Manifold Valve Assembly Specification/Features

Manifold Material	ANSI 304 Stainless
Manifold Dimension	1 ¼"
Valve Connection	1" NPT
Circuit Spacing	2 5/32" (55mm)
Circuit Connection	Various
Circuit Valve Material	Zytel HTN / PTFE
Various O-ring Seals	EPDM
Max. Manifold Flow Rate	18 GPM
Max. Circuit Flow Rate	2.5 GPM
Valve CV	2.9
Max. Operating Pressure	100 PSI
Max. Operating Temperature	200 F° / 93 C°
Circuit Flow Meter / Balancing valve	Optional
Isolation Valves W / temperature Gauges	Integral
End Cap Purge Assembly	Integral

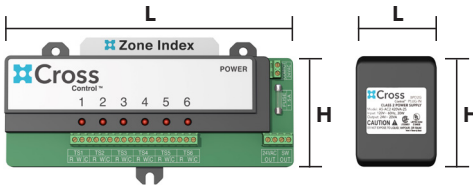
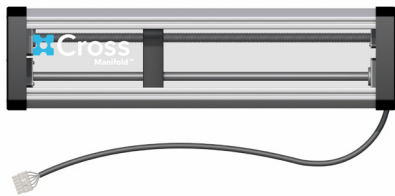


Manifold Valve Assembly Dimensions

Circuits	L	W	H
Cross 4	18 5/8"	3"	15 3/4"
Cross 6	23"	3"	15 3/4"
Cross 8	27 5/8"	3"	15 3/4"
Cross 10	31 5/8"	3"	15 3/4"
Cross 12	26"	3"	15 3/4"

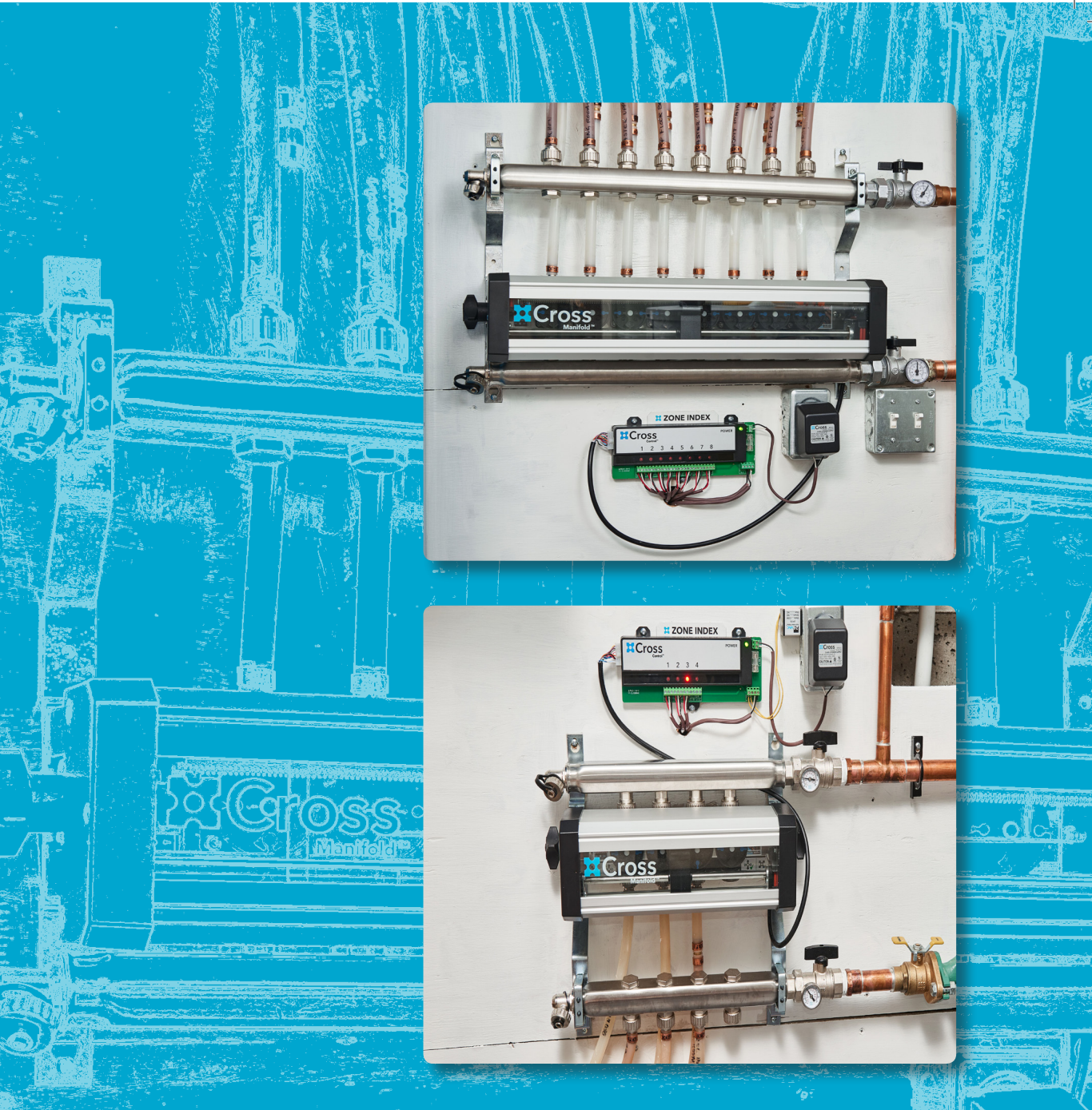
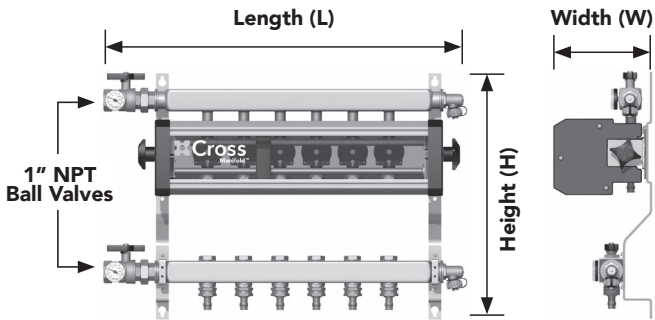
Control/Actuator Specifications
(Control Thermostat Terminal / Transformer / Actuator)

Control / Actuator Specifications (Control Thermostat Terminal / Transformer / Actuator)	
Control / Actuator Assembly	RoHS Compliant
Transformer UL 5G54E184936 CSA LR209651	Input 120V – 60Hz 30W Output 24V – 20VA
Fuse	1.5A
Thermostat Wire Size	18 GA
Green LED	Power indicator (LED will not light until Actuator assembly is Connect to Cross Control)
Red LED	Indicates Circuits calling for heat
SW out	N/O dry contact for boiler (TT) terminals
24VAC	Optional 24V Relay



Manifold Valve Assembly W / Actuator Dimensions

Circuits	L	W	H
Cross 4	18 5/8"	6"	15 3/4"
Cross 6	23"	6"	15 3/4"
Cross 8	27 5/8"	6"	15 3/4"
Cross 10	31 5/8"	6"	15 3/4"
Cross 12	36"	6"	15 3/4"
Cross Control	8 1/2"	1 1/4"	3 1/2"
Transformer	3"	2"	1 3/4"



Cross®
Hydronic Manifold System™



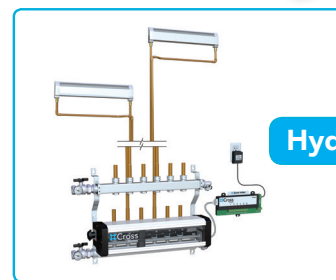
Intelligent. Simple. Complete.

The Cross Manifold comes complete and ready to install. Attach the tubing and connect the intelligent control.

Features and Benefits

Plug & play installation - No electrician required
Total zoning flexibility

- Full flow valves
- No water temperature limitations
- Never change a zone valve motor or actuator again
- Stainless steel 304 manifold body
- Environmentally friendly: Electricity is only used for a few seconds when opening and closing valves



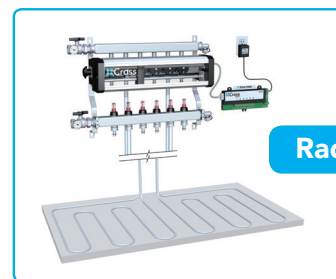
Hydronic Systems

Applications

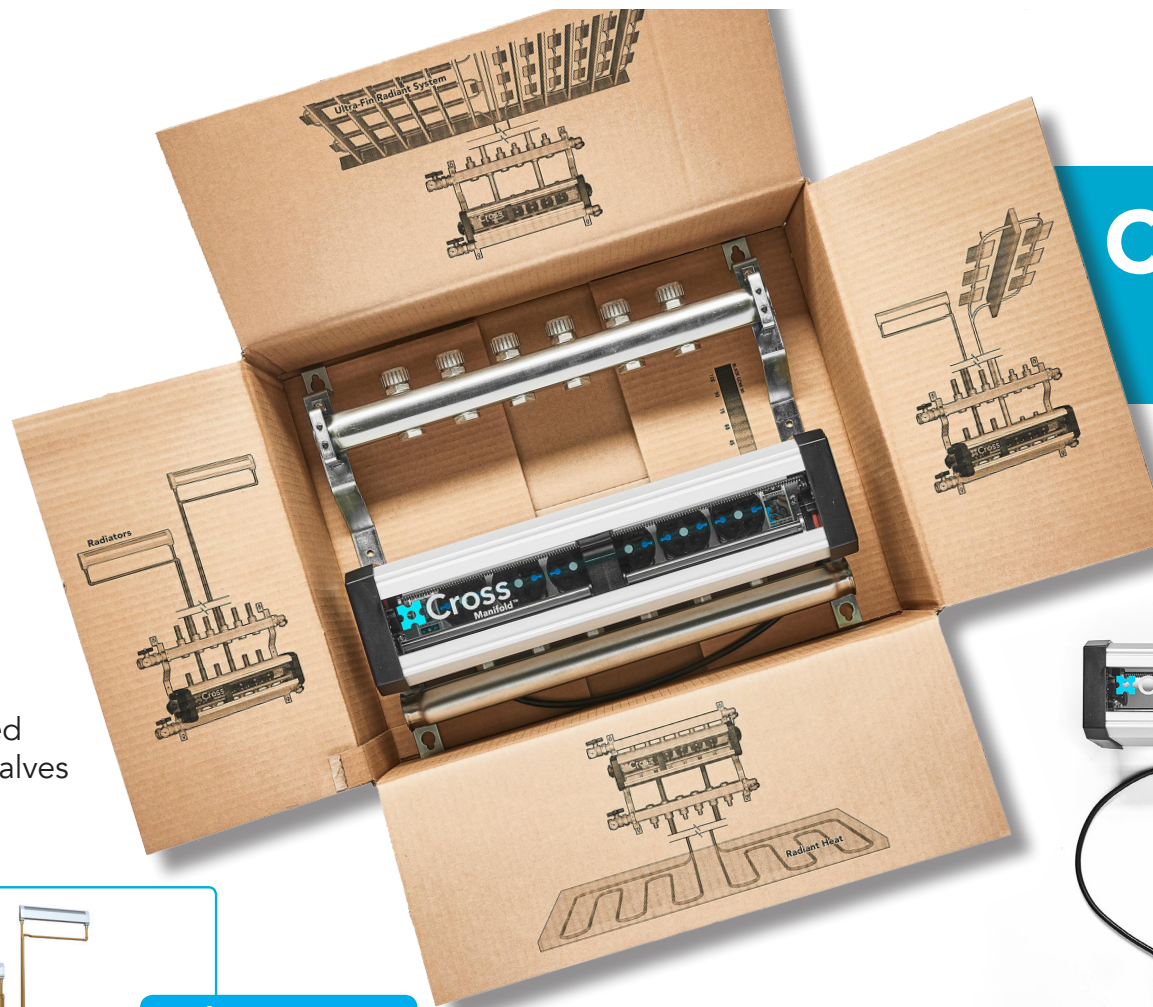
- Radiant Floor Systems
- Radiator Systems
(Low Temp or High Temp)

Connections

- Pex (1/2") (3/4")
- Pex/Al/Pex (1/2") (3/4")
- Copper - Sweat/Press (1/2") (3/4")
- Pex Cold Expansion (3/8") (1/2") (5/8") (3/4")

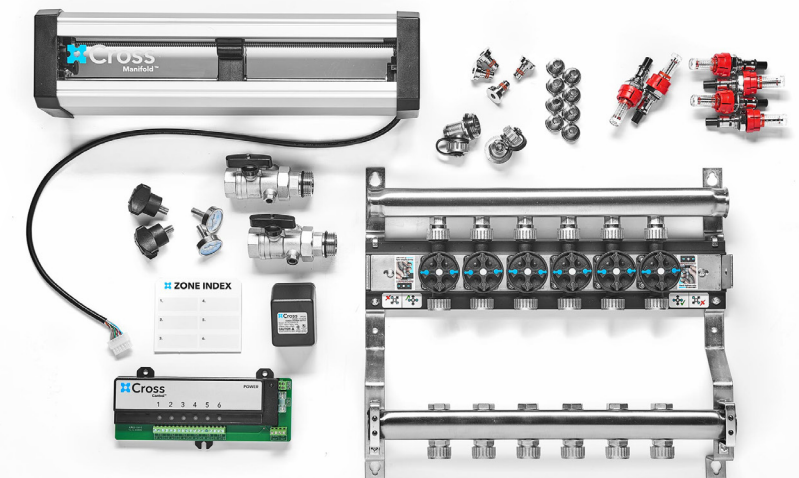


Radiant Systems



Cross® Manifold comes complete

Complete manifold system in a box (manifold, ball valves, temperature gauges, bleed valves, fittings, control, power supply).



✦ Cross® Manifold. Save Time. Save Energy.

- Cross Manifolds are designed for use in closed loop hydronic heating, cooling and snow melting applications.
- Cross Manifolds are available in 5 circuit configurations **4/6/8/10/12**
- Cross Manifolds can be used with or without Cross Control and Actuator Assembly.
- Cross Manifolds may be mounted in any orientation.



- Cross Manifold Valve Assembly comes complete with mounting brackets and Isolation Valves W / Temperature Gauges and End Cap Purge Assembly. Circuit caps are provided for each circuit. Note: Circuit Caps must be used for circuits not in use.
- Cross Control / Actuator comes complete with a 24V – 20VA transformer.