

**iWorx**<sup>®</sup>  
by Taco Electronic Solutions

# ZXU1

## Controller



**Web-based building  
management made easy**

# ZXU1 CONTROLLER

Feature	Benefit
<b>Universal injection mixing control for heating and/or cooling</b>	<p>Allows mixing for both heating and cooling loops from one controller.</p> <p>Saves time and facilitates installations where mixed temperatures are used for heating and cooling.</p>
<b>Reversing valve operation for switchover</b>	<p>Provides changeover capability from heating boiler supply, to chiller cooling supply to accommodate Winter and Summer modes of operation.</p> <p>Assures precision control of the supply temperature for both heating and cooling demands.</p>
<b>Multiple demand inputs for application flexibility</b>	<p>The ZXU can be configured to supply heating and cooling from outdoor reset demands, radiant slab setpoints, or zone demands.</p> <p>In addition, it can be used for control of snowmelt loops.</p> <p>Eliminates multiple controllers and simplifies installations.</p>
<b>Adjustable mixing output signal from 0-10V</b>	<p>Can be used to clamp valve operation to provide precision control.</p> <p>Especially useful in chilled beam or chilled fin cooling applications.</p>

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Feature	Benefit
<b>Dew point calculation</b>	<p>Constantly monitors and calculates the dew point temperature and compares it to the radiant slab temperature.</p> <p>Automatically adjusts setpoint temperatures to avoid dew point conditions. Ensures that radiant cooling applications provide condensation proof operation, eliminating indoor air quality issues while providing occupant comfort.</p>
<b>Separate reset curves for heating and cooling</b>	<p>Allows reset curves to be properly adjusted for both the heating and cooling modes of operation.</p> <p>Ensures maximum system comfort and efficiency.</p>
<b>Advanced outdoor dry bulb calculation</b>	<p>Reset curves can be based on either a current outside temperature reading, or an average reading with historical information provided to influence the calculated reset setting.</p> <p>Allows maximum operation of reset settings in either mode of operation, increases equipment efficiencies.</p>
<b>Digital outputs for all pump operations</b>	<p>All system and zone pumps including snow melt pumps can be enabled via the ZXU.</p> <p>This coordinates all system functioning, simplifies wiring and reduces installation costs.</p>



Visit [www.taco-hvac.com](http://www.taco-hvac.com) for more information about the iWorx® product line.

# iWorx®

by Taco Electronic Solutions

Taco Electronic Solutions, Inc., 1160 Cranston Street, Cranston, RI 02920 / (401) 942-8000 / Fax (401) 942-2360  
Taco (Canada) Ltd., 8450 Lawson Road, Unit #3, Milton, Ontario L9T 0J8 / (905) 564-9422 / Fax (905) 564-9436  
[www.taco-hvac.com](http://www.taco-hvac.com)

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