

iWorx[®]
by Taco Electronic Solutions

DXU3 & DXU4

Controllers



**Web-based building
management made easy**

Quick Reference of Feature Differences

(BETWEEN THE DXU3 & DXU4)



DXU3	DXU4
Four stages of cooling	Two stages of cooling
Modulated or two-position economizer	Modulated economizer
---	Humidification
Dehumidification	Dehumidification, Dehumidification with reheat

DXU3 Controller

(FEATURES & BENEFITS **EXCLUSIVE TO DXU3** CONTROLLER)



Feature	Benefit
<p>Multiple output configuration capability: 2 stage heat / 4 stage cool or Floating point heating and cooling valve or Modulated heating and cooling valve</p>	<p>Universal application for all rooftop and air handler requirements.</p> <p>Allows complete system application flexibility, like through grouping function with BZU controller.</p> <p>Lowers installation costs.</p>
<p>Economizer capability with enthalpy control</p>	<p>Adapts to any economizer configuration (e.g. two-position).</p> <p>Saves energy by using outside air when available for free cooling.</p> <p>Combines enthalpy control or dry bulb calculations for "perfect air" economizer operation.</p>

DXU4 Controller

(FEATURES & BENEFITS **EXCLUSIVE TO DXU4** CONTROLLER)



Feature	Benefit
<p>Multiple output configuration capability: 2 stage heat / 2 stage cool or Floating point heating and cooling valve or Modulated heating and cooling valve</p>	<p>Universal application for all rooftop and air handler requirements.</p> <p>Allows complete system application flexibility.</p> <p>Lowers installation costs.</p>
<p>Humidification capability</p>	<p>Allows the system to provide humidification to maintain indoor space comfort.</p> <p>Provides comfort at lower temperature setpoints reducing energy costs.</p>
<p>Supply air humidity input</p>	<p>Determines if there is duct saturation when humidification is in progress.</p> <p>Floating point reheat eliminates duct condensation to prevent mold or mildew from accumulating in ductwork.</p>

DXU3 & DXU4

Common Features & Benefits

Feature	Benefit
Provides control of dehumidification and indoor air quality sensing capability. Handles all indoor air environmental situations.	<p>Can be used in any application to provide maximum comfort under any environmental condition.</p> <p>Onboard inputs and outputs mean fewer controllers, lower installation and service costs.</p>
Multiple temperature sensor selection	<p>Zone temperature can be sensed by 2-wire communicating TS300 Series thermostats, or 10K Precon II or III thermistors enabling installation on new or existing applications.</p> <p>Allows a full range of application capabilities with displays, override or embedded sensors for a “no reveal” look.</p>
Individual setpoints for heating and cooling with auto switchover	<p>Provides total comfort in all seasons.</p> <p>Setpoints can also be selected for occupied and unoccupied periods for energy saving operation without the use of programmable thermostats.</p>
Integrates with iWorx® BZU controller	<p>Provides single thermostat control for both radiant/hydronic heating and cooling.</p> <p>Automatically switches from heat to cool from one sensor.</p> <p>Saves energy by eliminating heating-cooling conflicts.</p>
Integrates air side and hydronic applications	<p>Eliminates system confusion and installation costs.</p> <p>Provides options for first stage heat as radiant and second stage forced air.</p> <p>Seamlessly integrates air side and hydronic equipment for maximum comfort and operating efficiency.</p>



Visit www.taco-hvac.com for more information about the iWorx® product line.

iWorx®

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