iWorX
by Taco Electronic Solutions

Line Card

Web-based building management made easy

Image	Product Number	Description
		Network Management and User Interface Products
	LCI-3	**Front end network management device** with internet connectivity capability. Color touch screen. Manages up to 63 iWorx Controllers.
	GCI Series	**Graphical Control Interface** which forms a bridge between iWorx and LonWorks, BACnet IP, BACnet MSTP, MODBUS RTU, MODBUS, TCP-Based Building Automation Control System using the NiagaraAX Framework. 128 MB RAM/64 MB Flash or 256 MB RAM/128 MB Flash. A Graphical Control Interface requires the use of an LCI in order to commission and manage all iWorx Controllers within the system.
	JM16-1	**16 Point I/O Expansion Module** **(For use only with GCI)** 8 Universal Inputs: Capable of measuring 10K (type III) Thermistors, resistive inputs, 0-10 Vdc, 4-20 mA, and Binary Inputs (contact closure or pulse counter). 4 Analog Outputs: Provide a 0-10 Vdc output to control devices such as Variable Frequency Drives and actuators. 4 Digital Outputs: Each relay output is rated to switch loads up to 5A, 250Vac, 30Vdc.
	JM34-1	**34 Point I/O Expansion Module** **(For use only with GCI)** 16 Universal Inputs: Capable of measuring 10K (type III) Thermistors, resistive inputs, 0-10 Vdc, 0-20 mA, and Binary Inputs (contact closure or pulse counter). 8 Analog Outputs: Provide a 0-10 Vdc output to control devices such as Variable Frequency Drives and actuators. 10 Digital Outputs: Each relay output is rated to switch loads of 24Vac, .5A max per relay.

Image	Product Number	Description
Logic Control Products		
	LCU2-1	**Logic Control Unit** Self-contained interoperable unit for controlling up to eight (8) logic zones. The LCU's eight (8) outputs can be controlled by a logic zone's schedule or mapped to any of the eight (8) inputs for an override. A photo sensor input is also provided for dawn/dusk logic control (lighting). A logic control system may contain up to eight (8) LCU2 controllers. Functions as part of FTT-10A LonWorks® network.
System Alarm Control Products		
	ALM2-1	**Alarm Module Unit** Self-Contained Interoperable Controller for monitoring 8 universal inputs using a thermistor or a switch contact. Digital outputs are provided to drive any external device such as an alarm or light. Functions as part of FTT-10A LonWorks® network.
Broadcast Temperature/Humidity Control Products		
	ASM2-1	**Auxiliary Sensor Input Unit with Energy Monitoring** Self-contained interoperable controller for monitoring auxiliary sensors with inputs for outdoor air temperature, outdoor humidity, and supply water temperature to other devices on the network. Digital inputs provided for energy monitoring via meter pulses and end-of-interval signals. Functions as part of FTT-10A LonWorks® network.

Image	Product Number	Description
	DXUV-1	**Single Zone VAV Control with Outside Air Flow Measuring/ Compensation and Humidification/ Dehumidification Control** - Self-contained interoperable controller for a single zone VAV DX package units and air handler units with an economizer. VFD controlled fan is modulated to maintain room temperature and may be configured for up to 2 stages of cooling, modulated or floating point cooling valve, 2 stages of heating, modulated or floating point heating valve. Also controls Outside Air Flow Measuring/Compensation modulated economizer, IAQ compensation. Individual temperature setpoints are provided for discharge air temp as well as occupied/unoccupied heat and cool cycles along with dehumidification and dehumidification with reheat. Humidification achieved by providing a contact closure for a humidifier. Functions as part of FTT-10A LonWorks® network. Compatible with TS300 Series Sensors.
	DXU3-1	**Universal Air Control/Single Zone** - Self-contained interoperable controller for a single zone DX package units and air handler units with an economizer. Can be configured for up to four stages of cooling, modulated or floating point cooling valve, 2 stages of heating, modulated or floating point heating valve. Also controls modulated or two position economizer, IAQ compensation. Individual temperature setpoints are provided for occupied/unoccupied heat and cool cycles along with dehumidification. Functions as part of FTT-10A LonWorks® network. Compatible with TS300 Series Sensors.
	DXU4-1	**Universal Air Control with Humidity** - Self-contained interoperable controller for a single zone DX package units and air handler units with an economizer. Can be configured for up to 2 stages of cooling, modulated or floating point cooling valve, 2 stages of heating, modulated or floating point heating valve. Also controls a modulated economizer, IAQ compensation. Individual temperature setpoints are provided for occupied/unoccupied heat and cool cycles along with dehumidification and dehumidification with reheat. Humidification achieved by providing a contact closure for a humidifier. Functions as part of FTT-10A LonWorks® network. Compatible with TS300 Series Sensors.
	FCU4-1	**Universal Fan Coil Control with BTU/Flow Metering** Self-contained interoperable controller for a single zone fan coils units and air handler units. Can be configured for up to 2 stages of cooling, modulated or floating point cooling valve, 2 stages of heating, modulated or floating point heating valve and modulated or 3-speed fan control. BTU energy monitoring and water flow metering. IAQ detection and fan compensation, configurable for digital or analog sensors. Individual temperature setpoints are provided for occupied/unoccupied heat and cool cycles along with dehumidification and dehumidification with heat. Humidification achieved by providing a contact closure for a humidifier. Functions as part of FTT-10A LonWorks® network. Compatible with TS300 Series Sensors.

Image	Product Number	Description
Air Side Control Products continued		
	MPU2-1	**Air Control - Pressure Dependent Multi-Zone** Self-contained interoperable controller for commercial rooftop HVAC requiring VAV zone control with up to four stages of cooling or modulated cooling or floating point cooling and two stages of heating or modulated heating or floating point heating, modulating bypass damper or VFD, modulating or two position economizer, IAQ compensation. Has zone limit for operation and supports up to 32 terminal box unit controllers. Functions as part of FTT-10A LonWorks® network.
	MPU3-1	**Air Control - Pressure Dependent Multi-Zone** Self-contained interoperable controller for commercial rooftop HVAC requiring VAV zone control with up to two stages of cooling or modulated cooling or floating point cooling and two stages of heating or modulated heating or floating point heating, modulating bypass damper or VFD, modulating or two position economizer, IAQ compensation. Also provides dehumidification functionality with reheat or heat. Has zone limit for operation and supports up to 32 terminal box unit controllers. Functions as part of FTT-10A LonWorks® network.
	VAVD-2	**Variable Air Volume Zone Unit** Pressure Dependent VAV zone terminal controller provides a wide range of terminal unit applications. Integrated Actuator, Optional IAQ Alarm Input. Parallel or Series Fan. Independent setpoint for occupied / unoccupied modes. Functions as part of FTT-10A LonWorks® network. Compatible with TS300 Series Sensors.
	VAVI-2	**Variable Air Volume Zone Unit** Pressure Independent VAV zone terminal controller provides a wide range of terminal unit applications. On Board Air Flow Sensor, Integrated Actuator, Optional IAQ Alarm Input. Parallel or Series Fan. Independent setpoint for occupied / unoccupied modes. Functions as part of FTT-10A LonWorks® network. Compatible with TS300 Series Sensors.

Image	Product Number	Description
Air Side Control Products continued		
	VPU2-1	**Air Control - Pressure Independent Multi-Zone** Self-contained interoperable controller for commercial rooftop HVAC requiring VAV zone control with up to four stages of cooling or modulated cooling or floating point cooling and two stage heating or modulated heating or floating point valve control, variable fan speed, modulating or two position economizer, IAQ compensation. Supports up to 60 terminal box unit controllers. Functions as part of FTT-10A LonWorks® network.
	HPU2-1	**Water Source Heat Pump Controller** Self-Contained Interoperable Controller for a Single Liquid (Water) Source Heat Pump with a two-stage compressor, reversing valve, and a fan. Functions as part of FTT-10A LonWorks® network. Compatible with TS300 Series Sensors.
	HPU3-1	**Water Source Heat Pump** Interoperable Controller for a Single Liquid (Water) Source Heat Pump with a two-stage compressor, reversing valve, and a fan. Includes high and low pressure alarms. Provides modulated fan output based on supply air temp. Also provides a dehumidification cycle by use of the cooling cycle or by enabling a dehumidification output. Functions as part of FTT-10A LonWorks® network. Compatible with TS300 Sensors.
	HPL1-2	**Water Source Heat Pump Controller** Self-Contained Interoperable Controller for a Single Liquid(Water) Source Heat Pump with a two-stage or modulated compressor, reversing valve, and 3-speed digital fan or modulated fan control with digital enable. Provides modulated fan output based on supply air temp. Also provides a dehumidification and reheat control cycle by use of the cooling cycle or by enabling a dehumidification output. LOFloTM Zone Mixing Block Integration. BTU energy monitoring and water flow metering. Power transducer input. Functions as part of FTT-10A LonWorks® network. Compatible with TS300 Series Sensors.

Image	Product Number	Description
Hydronic & Radiant Control Products		
	BLMC-1	**Boiler Control Module** - Controls up to four (4) modulating or staged boilers and can be cascaded with another BLMC to operate an additional four (4) boilers. Boiler pumps and system pumps are controlled by triac outputs. Modulating outputs are 0-10v for control of the modulating boilers. Demand inputs (temperature or switch) can be configured to provide for auxiliary and reset demands. Includes two (2) bullet sensors (TRP-1). Functions as part of a FTT-10A LonWorks® network. Outside air temperature sensor (TOA-1) sold separately.
	CCU2-1	**Chiller Control** - Self-Contained Interoperable Controller for Air or Water cooled Central Plant applications with up to two chiller pumps, two condenser pumps, modulated valve, modulated fan speed, chiller setpoint, chilled water supply and return temperature. Condenser water supply and return temperature, two flow switch inputs, chilled water demand, chiller general alarm. Functions as part of FTT-10A LonWorks® network.
	LHP2-1	**Water Source Heat Pump Loop Controller** Self-Contained Interoperable Controller for Liquid (Water) Source Heat Pump central plant controller applications with one cooling tower and one or two single-stage boilers. Applications also include two water pumps configured for lead-lag or continuous operation. Functions as part of FTT-10A LonWorks® network.
	HPM1-1	**Water To Water Heat Pump Controller** Self-Contained Interoperable Controller for Liquid (Water) Source Heat Pumps with either Two-Stage, Three-Stage or Modulating Control. Configurable for Two-Pipe, Four-Pipe, One-Tank or Two-Tank Systems. Functions as part of FTT-10A LonWorks® network.
	BZU2-1	**Hydronic Zoning Controller** - 5 thermistor inputs & 6 digital outputs for control of up to five heating zones and a common heat source. Demands are communicated to the BLM controller. Heating demand triac output can activate pump relay or zone valve. Network up to 24 BZU2 units (120) zones associated to one BLM. Multiple BZU-BLM associations per LCI-2. Custom naming of zones up to 7 character in length. Functions as part of FTT-10A LonWorks® network. Compatible with TS100 Series Sensors.

Image	Product Number	Description
Hydronic & Radiant Control Products continued		
	BZU3-1	**Hydronic Zoning Controller** - 8 temperature inputs (4 space & 4 slab), 5 digital outputs and 4 analog outputs for control of up to four zones of heating and networked cooling. Heating demands are communicated to the BLMC or HPM controller. Heating demand outputs can activate a pump or zone valve (on/off or modulated). Cooling demands are communicated to the DXU controller. Network up to 24 BZU3 units (96) zones associated to one BLM. Multiple BZU-BLM associations per LCI-2. Custom naming of zones up to 7 character in length. Functions as part of FTT-10A LonWorks® network. Compatible with TS100 and TS200 Series Sensors.
	SMZ1-1	**Snowmelt Zoning Controller** - 8 temperature inputs (4 Snowmelt & 4 slab), 5 digital outputs and 4 analog outputs for control of up to four snowmelt zones. Snowmelt demands are communicated to the BLMC or HPM controller. Heating demand outputs can activate a pump or zone valve (on/off or modulated). Separate setpoints for idling and active snowmelting. Network up to 24 SMZ units (96) zones associated to one BLM. Multiple BZU-BLM associations per LCI-2. Custom naming of zones up to 7 character in length. Functions as part of FTT-10A LonWorks® network. Does not provide temperature mixing for snowmelt as a secondary system temperature. For most radiant snowmelt applications, utilize ZXU1-1 for mixing controller associated with SMZ1-1.
	ZXU1-1	**Mixing Loop Control** - Single Zone - Provides injection mixing for one loop. Supply and return temperature can be configured separately. Outdoor air temperature, radiant slab temperature and zone temperature are also provided. Boiler enable and primary pump signal provided if the loop is in demand. Heat / cool control selectable. Modulated mixing 0-10V or 2-10V output. Snowmelt mode with extended features. Networking with BLM controller. Functions as part of FTT-10A LonWorks® network. Compatible with TS100 Series Sensors.

Image	Product Number	Description
		Chilled Beam Controllers
	CHB1-1	**Chilled Beam Controller** Controls heating only, cooling only, or heating and cooling (2-pipe changeover/ reversing valve) for Single Coil Chilled Beam Applications (Active and Passive Chilled Beams). Works in conjunction with Taco's LOFlo® Mixing Block to provide room temperature, humidity and dew point control for one LoadMatch® or two-pipe, single-coil configurations.
	CHB2-1	**Chilled Beam Controller** Controls Heating and Cooling Dual Coil Chilled Beam Applications (Active and Passive Chilled Beams). Works in conjunction with Taco's LOFlo® Mixing Block to provide room temperature, humidity and dewpoint control for two LoadMatch® or four-pipe, dual-coil configurations.
	CSM1-1	**Auxiliary Sensor Input Unit** for Chilled Beam Applications - Self-contained interoperable controller for monitoring auxiliary sensors with inputs for outdoor air temperature, outdoor humidity, and supply water temperature. Receives network indoor humidity data from CHB controllers. Digital inputs provided for energy monitoring via meter pulses and end-of-interval signals.
		Delta T and Delta P Pump Sequencers and Controllers
	PSC-1	**Pump Speed Controller** For controlling any 120 volt circulator pump. Receives an analog (2-10VDC) input from the ZXU1 controller to control the speed of a pump for injection mixing.
	PSU1-2	**Delta T and Delta P Pump Sequencing Unit** Self-contained interoperable controller for two (2) primary pumps with four (4) control modes. Standby pump operation with manually selectable lead pump. Equal runtime operation with adjustable run time. Two-stage digital control or single-stage modulated control (with digital enable) based on an adjustable temperature or pressure differential. Constant circulation and low temperature circulation control. Delta P control utilizes ACC-DPT-L-250 Differential Pressure Transmitter. Functions as part of a FTT-10A LonWorks® network.

Image	Product Number	Description
Wall Mount Thermostats, Temperature Sensors & Combo Temperature/Humidity Sensors		
	TS101-1	**Space Temperature Sensor** (Thermistor) No display
	TS102F-1	**Space Temperature Sensor** (Thermistor) With LCD display in degrees F
	TS102C-1	**Space Temperature Sensor** (Thermistor) With LCD display in degrees C
	TS103-1	**Space Temperature Sensor** (Thermistor), Adjustable No display

Image	Product Number	Description
	TS202-1	**Space Temperature Sensor** Heat only, adjustable single temperature sensor with backlit LCD display and zone off functionality. Must be used with BZU3 Hydronic Zoning Controller.
	TS203-1	**Space and Floor Temperature Sensor** Heat only, adjustable dual temperature sensor with backlit LCD display and zone off functionality. Requires TRP2 10K (type III) Thermistor to sense floor temperature. Must be used with BZU3 Hydronic Zoning Controller.
	TS204-1	**Space and Floor Temperature Sensor** Heat/Cool/Auto, adjustable dual temperature sensor with backlit LCD display and zone off functionality. Requires TRP2 10K (type III) Thermistor to sense floor temperature. Must be used with BZU3 Hydronic Zoning Controller and a DXU3 or DXU4Universal Air Controller.
	TS301-1	**Digital Temperature Sensor** With display, setpoint adjustment, override button
	TS302-1	**Digital Temperature & Humidity Sensor** With display, setpoint adjustment, override button

Wall Mount Thermostats, Temperature Sensors & Combo Temperature/Humidity Sensors

Image	Product Number	Description
Wall Mount Thermostats, Temperature Sensors & Combo Temperature/Humidity Sensors, continued		
	TS303-1	**Digital Temperature Sensor** With display, setpoint adjustment, override button and controller mode functions
	TS304-1	**Digital Temperature & Humidity Sensor** With display, setpoint adjustment, override button and controller mode functions
	ACC-PBS-10KP3	**Space Temperature Sensor (Thermistor)** Plastic Button Style, No Display, No Setpoint Adjust
	ACC-SPCS-10KP3	**Space Temperature (Thermistor) & Humidity Sensor-Wall Mount Stainless Plate Room Sensor** Combination Temp & Humidity Transmitter, Wash-down Rated, No Display, No Setpoint Adjust
	ACC-RCS3-10KP3	**Space Temperature (Thermistor) & Humidity Sensor** Wall Mount Combination Temp & Humidity Transmitter, No Display, No Setpoint Adjust

Image	Product Number	Description
		WIRELESS Wall Mount Thermostats, Temperature Sensors, Temperature/Humidity Sensors & Transmitters
	TW101-1	**Wireless Space Temperature Sensor (Thermistor)** No display. Must be purchased with ACC-WRLY-10K3 output modules and 418MHZ or 900MHZ Wireless Receiving System (see below)
	TW101H-1	**Wireless Space Temperature 10K (type III) & Humidity Sensor (0-10 vdc)** No display. Must be purchased with ACC-WRLY-10K3 and ACCWRLY-10VDC output modules and 418MHZ or 900MHZ Wireless Receiving System (see below)
	TWOAH-1	**Wireless Outside Air Temperature 10K (type III) & Humidity Sensor (0-10 vdc)** Outdoor wall mount. Must be purchased with ACC-WRLY-10K3 and ACCWRLY-10VDC output modules and 418MHZ or 900MHZ Wireless Receiving System (see below)
	ACC-WRLY-10K3	**10K Type III Output Module** Converts Wireless Input from TW Sensors to 10K Type III output for iWorx modules 10K Type III inputs
	ACC-WRLY-10VDC	**0-10VDC Output Module** Converts Wireless Input from TW Sensors to 0-10VDC output for iWorx modules 0-10VDC inputs

Image	Product Number	Description
		WIRELESS Wall Mount Thermostats, Temperature Sensors, Temperature/Humidity Sensors & Transmitters, continued
	ACC-REC-418	**418MHZ Receiver** The 418 MHz unit receives the RF signal from one or more wireless temperature or humidity transmitters which have a range of up to 100 feet. The receiver then outputs the values to any Analog Output Module through a four-wire bus. The Analog Output Module converts the signal to an analog voltage or resistance for the iWorx controller. The receiver can accommodate up to 127 different Analog Output Modules. It is surface, snaptrack or din rail mountable with a 79" extendable antenna for optimum reception.
	ACC-REC-900	**900MHZ Receiver** The 900 MHz unit receives a repeated or re-transmitted RF signal from one or more wireless temperature or humidity transmitters. The transmitter signal (418MHz) is received by a 418MHZ Repeater and then re-transmitted at 900 MHz up to 1,000 feet to the 900 MHz Receiver. The 900 MHz Receiver then outputs the values to any Analog Output Module through a four-wire bus. The output module converts the signal to an analog voltage or resistance for the controller. The 900 MHz Receiver can accommodate up to 127 different output modules. The receiver is surface, snaptrack or din rail mountable within attached antenna or a 79" extendable antenna. NOTE: When using the 900MHZ receiver, a 418MHZ repeater must be added to the wireless system. A 418MHZ receiver is not required in a 900MHZ system.
	ACC-REP-418	**418MHZ to 900MHZ Repeater**

Image	Product Number	Description
	Duct Mount, Pipe Mount, Snowmelt & Outside Air Temperature Sensors	
	TOA-1	**Outdoor Air Temperature Sensor** 10K (type III) sensor with enclosure
	TRP-1	**Thermistor Type Temperature Sensor** 10K (type III) 1/4" x 1" w/ 24" leads. Bullet style sensor primarily used as a strap-on pipe sensor.
	TRP2-1	**Thermistor Type Temperature Sensor with 10 FT of Cable** 10K (type III) 1/4" x 1" w/ 120" leads. Bullet style sensor primarily used as floor temperature sensor for TS200 Series Sensors.
	SMS-1	**Snowmelt Sensor** Sensor placed in concrete or asphalt used to sense temperature and moisture. Used with ZXU1 Mixing Loop Control.
	SMH-1	**Snowmelt Sensor Housing** Enclosure used to hold Snowmelt Sensor in concrete or asphalt
	ACC-DS-8-10KP3-PB	**8" Duct Temperature Sensor with Plastic Box** 10K (type III) sensor encapsulated in a 8" Probe with a plastic duct mount housing with mounting flange for quick installation

Image	Product Number	Description
		Duct Mount, Pipe Mount, Snowmelt & Outside Air Temperature Sensors, continued
	ACC-DS12-10KP3-PB	**12" Duct Temperature Sensor with Plastic Box** 10K (type lll) sensor encapsulated in a 12" Probe with a plastic duct mount housing with mounting flange for quick installation
	ACC-FREEZE-20FT	**20' Duct/Coil Mount Freeze Stat** Low Limit controllers designed for use on HVAC equipment requiring low-temperature cutout protection. One (1) Set of SPDT contacts with an adjustable setpoint range of 14 to 54°F. Vapor-filled, copper capillary tube measuring 5/64 inches in diameter (2mm) with an overall length 20 feet.
	ACC-WS-4-10KP3-GB	**Immersion Well Sensor with Galvanized Box** 10K (type lll) sensor encapsulated in a 4" Probe with a Galvanized J Box housing and two-piece 304 stainless steel thermowell, male 1/2 inch NPT threads
	ACC-SOS-10KP3-GB	**Pipe Strap on Sensor with Galvanized Box** 10K (type lll) sensor encapsulated in a Galvanized J Box housing. The galvanized metal strap on configuration with sensor potted to the back side of a copper plate with foam pad creates compression and good thermal transfer with pipes that range from 2 to 5 inches in diameter.

Image	Product Number	Description
Outside Air and Duct Mount Humidity Sensors		
	ACC-OAHS-10KP3	**Outside Air Humidity Sensor (0-10 vdc)** - Outdoor wall mount. Converts a resistance change to a linear 0 to 10 VDC output. European style enclosure that locks out moisture with a gasketed cover and watertight fitting. They are designed to be mounted flush to an exterior wall. No Display.
	ACC-OACS-10KP3	**Outside Air Temperature 10K (type III) & Humidity Sensor (0-10 vdc)** - Outdoor wall mount. 10K (type III) sensor and a resistance change to a linear 0 to 10 VDC RH output. European style enclosure that locks out moisture with a gasketed cover and watertight fitting. They are designed to be mounted flush to an exterior wall. No Display.
	ACC-DHS3-10	**8" Duct Humidity Sensor (0-10vdc)** - Duct mount. Converts a resistance change to a linear 0 to 10 VDC output. European style enclosure that locks out moisture with a gasketed cover and watertight fitting. They are designed to be mounted flush to an exterior wall. No Display.
Wall and Duct Mount CO2 Sensors		
	ACC-RS-CO2	**CO2 Sensor (0-10vdc)** - Wall mount sensor based on a single beam non-dispersive infrared technology Measures the CO2 concentration in the ambient air up to 2,000 ppm and converts the data into an analog output. No display."
	ACC-DS-CO2	**8" Duct Mount CO2 Sensor (0-10vdc)** - Duct mount sensor based on a single beam non-dispersive infrared technology. Measures the CO2 concentration in the ambient air up to 2,000 ppm and converts the data into an analog output. No display.
	ACC-RCS-CO2	**Combination CO2 (0-10vdc)**, Temperature 10K (type III) & Humidity (0-10 vdc) Wall Mount Sensor - Wall mount combination sensor based on a single beam non-dispersive infrared technology. Measures the CO2 concentration in the ambient air up to 2,000 ppm and converts the data into an analog output as well provide 10K (type III) room temperature and a resistance change to a linear 0 to 10 VDC RH output. No display, no setpoint adjust.

Image	Product Number	Description
	Air and Water Differential Pressure Transmitters, 0-10vdc	
	ACC-DPT-L-250	**Differential Pressure Transmitter**, Water, 0-250 psi Working Pressure with LCD Display - Differential pressure transmitters provide three-wire, 0 to 10vdc output signal. Accuracy is +/- 1%. These pressure switches can be used to sense positive, negative, or differential water pressures. Field adjustable operating range of 0-250 psid.
	ACC-ADPT-250WC	**Differential Pressure Transmitter**, Air, 0-2.5"WC - Low differential pressure transmitters provide three-wire, 0 to 10vdc output signal. Accuracy is +/- 1%
	ACC-ADPT-5WC	**Differential Pressure Transmitter**, Air, 0-5"WC - Low differential pressure transmitters provide three-wire, 0 to 10vdc output signal. Accuracy is +/- 1%
	Air and Water Differential Pressure (Flow Proof) Switches	
	ACC-WDPS-150	**Differential Pressure Flow Switch**, Water, 0-150 psi Working Pressure - Differential pressure switches are general purpose proving switches designed for both HVAC and Energy Management applications. These pressure switches can be used to sense positive, negative, or differential water pressures. Field adjustable operating range of 1-10 psid.
	ACC-ADPS-12WC	**Differential Pressure Flow Switch**, Air, 0-12"WC - Differential pressure switches are general purpose proving switches designed for both HVAC and Energy Management applications. These pressure switches can be used to sense positive, negative, or differential air pressures. Field adjustable operating range of 0.07" to 12.0"W.C.
	ACC-CS1A-1	**Current Sensor (Water or Air Motor Current Detection)** The CS1A is a solid-state switch that operate when the 1.0 AMP (fixed) of AC current is sensed by the internal current transformer the switch closes. Internal circuits are powered by induction from the conductor being monitored. There is zero off-state leakage current in the solid-state relay output that can switch AC or DC circuits.

Image	Product Number	Description
		Installation Wire
	WIR-018	**1000 Foot Spool of Shielded 18 Gauge Stranded 2 Conductor Wire** - Plenum rated wire with shield for use when installing temperature sensors and other ancillary control devices
	WIR-022	**1000 Foot Spool of 22 Gauge Stranded Category 4 LON Wire** - Plenum rated, Echelon approved wire for connecting LON networks
		Electrical Accessories
	ACC-RLY-ADR	**Single Analog (0-10vdc) input to two (2) Adjustable Relay Outputs (staged)** Single analog input signal with two potentiometers controlling each output relay. The two 10 amp @ 120VAC output relays can be independently set to fixed or adjustable deadband. Can be cascaded to up to 6 ADR's
	ACC-RLY-ATL	**Single Analog (0-10vdc) input to four (4) Adjustable Relay Outputs (staged)** Single analog input signal with four potentiometers controlling each output relay. The four 2 amp @ 24VAC output relays can be independently set to fixed or adjustable deadband. Can be cascaded to up to 16 ATL's
	ACC-RLY-AFP	**Single Analog (0-10vdc) input to Floating Point Converter** Single analog signal to control a floating point actuator. AFP converts an analog signal into two relay contact outputs (one increase/one decrease)
	ACC-RIB-DPDT24	**10A, DPDT Relay, 24VAC/24VDC/120VAC Coil**
	ACC-XFMR-75-1	**75VA Transformer with Manual Overload Reset**

Image	Product Number	Description
Electrical Accessories, continued		
	ZVCXFR-001RP	**40VA Transformer**
	ACC-RLY-SPDT-1	**10A, SPDT Relay 24VAC Coil**
	ACC-RLY-SPDTS-1	**10A, SPDT Relay Socket, DIN Rail Mounting**
	ACC-VCT-VDC-135OHM	**Multiple DDC Signal Input to Proportional Resistance Output** Output range is 0 to 135 Ohms. Input signals are field selectable by an eight position dip switch
Photo Switches		
	ACC-PHOTO-SW-24V	**Photosensor Switch, 24 AC power** EM Photocell, Sensor Type Photosensor, Installation Type Exterior or Roof of Building, Watts 1 Amp @ 30 VAC/VDC, Voltage 24 AC/DC
BTU Metering Products and Accessories		
	BTU3-1	**BTU Metering Control** is a microprocessor based controller for metering up to three zones

Image	Product Number	Description
Flow Sensor and Pressure Sensors for BTU metering applications		
	VFTS5-1	**Vortex Flow Sensor** 0.25 – 5 GPM (1-20 l/min), combined flow and temperature sensor (two-in-one). Includes precision 5VDC Power Supply
	VFTS10-1	**Vortex Flow Sensor** 0. 5 – 10 GPM (2-40 l/min), combined flow and temperature sensor (two-in-one). Includes precision 5VDC Power Supply
	VFTS26-1	**Vortex Flow Sensor** 1.25 – 26 GPM (5-100 l/min), combined flow and temperature sensor (two-in-one). Includes precision 5VDC Power Supply
	VFTS52-1	**Vortex Flow Sensor** 2.6 – 52 GPM (10-200 l/min), combined flow and temperature sensor (two-in-one). Includes precision 5VDC Power Supply
	VFTS104-1	**Vortex Flow Sensor** 5.2 - 105 GPM (20-400 l/min), combined flow and temperature sensor (two-in-one). Includes precision 5VDC Power Supply
	VTS-1	**Vortex Temperature Sensor** Includes precision 5VDC Power Supply

Image	Product Number	Description
		Factory Start-Up Services
PHOTO N/A	**FS1-1**	**Factory Start-Up Assistance** - provides experienced personnel to assist in preparing the iWorx controls for operation, configuring the iWorx controls based on the specified sequence, checking the operation of the iWorx controls per the specified sequence, and to complete a start-up report, if provided. The focus of the start-up is on the actual iWorx controls. Factory Start-up does not include the start-up or trouble-shooting of any non-iWorx device. List Price shown reflects a per day rate and does not include travel expenses. Travel expenses are reimbursable at actual cost.
PHOTO N/A	**FS2-1**	**Factory System Integration Assistance** - provides experienced personnel to assist in preparing the iWorx controls for operation, configuring the iWorx controls based on the specified sequence, checking the operation of the iWorx controls per the specified sequence, and to complete a start-up report, if provided. In addition, Factory System Integration Assistance includes integrating iWorx controls with 3rd Party, non-iWorx devices. List Price shown reflects a per day rate and does not include travel expenses. Travel expenses are reimbursable at actual cost.

NOTES

For more information

Visit us at **www.taco-hvac.com** to see Taco Catalog #500-1.0 for an overview of the iWorX® building management, monitoring and control system. You can also obtain more information on specific controllers and applications.