

TouchPro Series - Multi-Channel Monitoring System

TouchPro Series



Product Detail

- Choice of 4, 8, 12, 16, 24, 36, 48 channels
- High resolution 7" or 10" touch panel display
- Microprocessor controlled
- Wall mount or Rack mount in floor standing cabinet options
- Designed for HVAC, laboratories and industrial applications
- Built in carpark CO monitoring AS1668.2 fan control logic
- Data logging function
- Real time trending and historical data and charts tracking
- Programmable output relays
- Additional relays and analog outputs option
- Zone function with choice of 2, 4, 6 or 8 programmable zones
- Option of high level communication interface available

Features

- + Wall mount or rack mount
- + Supports analog or addressable sensors
- + Each channel can be isolated for fault finding or alarm inhibition
- + User access control anti-vandal logic
- + Common alarm relays and active alarm logging
- + Additional relay and analog output option
- + Built-in Car park CO monitoring and AS1668 compliant fan control logic
- + User fully programmable through touch panel
- + High level communication interface options for MODBUS, BACNET, PROFIBUS, ETHERNET
- + Data logging and retrieving with USB stick
- + Optional remote display network connectivity
- + Optional battery backup with monitored battery voltage and status indication
- + Powerful zoning and voting logic function
- + Alarm mute and reset function
- + Optional telemetry SMS messaging
- + Optional interface to Ampcontrol SCADA PC

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Application

- + As universal controller, any field instrument that has 4-20mA or 0-20mA output can be connected including temperature and humidity sensors
- + Environmental monitoring and control in food and beverage, pharmaceutical industries
- + Heating, Ventilation and Air Condition (HVAC) monitoring and control in residential and commercial buildings
- + HVAC monitoring in recreational facilities and shopping centres
- + Environmental monitoring and control in libraries and other indoor places
- + Environmental monitoring and control in car repair workshops, loading docks and other places where air quality could possibly deteriorate

Specifications

Modular Controller - Touchpro Series	
Inputs	4 to 20mA analogue signal inputs, sourcing type, two or three wire, Austech addressable sensor range
Sensor Range	Adjustable %LEL, ppm, % Vol, PPMm, LELm, $\mu\text{mol}/\text{mol}$, mg/m ³
Low Alarms	Adjustable from below zero to full scale
High Alarms	Adjustable from below zero to full scale
Alarm Inhibit and Channel Isolate	Each channel can be separately isolated
User Access Control	ADMIN level for system setup or modification
Configuration	Channel copy function for quick configuration, programmable alarm levels, span and units, zone configuration, calibration due alerts, data logging
Zone Function	Programmable zone function, Voting logic
Real Time Clock	Programmable Date and Time
Data Logging	USB memory stick for channel values (optional)
Fan Control Logic	Selectable built-in carpark CO system AS1668.2 fan control logic

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Specifications cont.

Electrical	
Area Classification	General purpose
Power Supply	185VAC- 253VAC, 50Hz;
Power Consumption	30W maximum (for controller), separate power for sensors
Voltage for Field Sensors	24VDC
Audible Alarm Device Connection	Volt free contact (SPST, 2A, 250VAC/30VDC) or 24VDC signal available
Wiring Connections	Screw terminals
Outputs	
Status Indication	On screen Alarm status and read values in real time
Audible Alarm Device	Optional
Warning Light Indication	Optional
Analog Output	0/4-20MA or 0-5/10V. Number of analog outputs are based on ordering code
Relay Outputs	Eight common alarm relays. Programmable volt free contacts SPST, 2A, 250VAC/30VDC
Relays Per Channel	Optional: One relay or two relays per channel, relays can be programmed for alarm set points and assigned to Low alarm, High alarm. Each alarm function can be turned off, latching or non-latching
Relay Contact Rating	SPST, 2A, 250VAC/30VDC
Communication Interface	Modbus TCP/IP, optional for BACNET MSTP, BACNET IP, Profibus, others on request
General Performance	
Operation Temperature	-10°C~+50°C
Operation Humidity	0~95%RH, non-condensing
Storage Conditions	0~50°C
Installation Method	Wall mount, or in a standard 19" rack server rack
Housing and IP Rating	ABS plastic hinged IP65 or Powder coated steel IP54
Dimensions	Based on model number
Mounting Accessories	Wall mount brackets

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Model Selection

MODEL GROUP	DESCRIPTION
TP1WSxx	Standards configuration: Wall mount Controller with 7" touch panel display, built in buzzer, three common alarm relays, two programmable zone relay outputs, Modbus TCP/IP, Real time trends and historical charts. XX - number of channels as per list below
TP1WCxx	Carpark CO monitoring and fan control configuration: Wall mount Controller with 7" touch panel display, built in buzzer, three common alarm relays, two programmable zone relay outputs, Modbus TCP/IP, Real time trends and historical trending. XX - number of channels as per list below
TP2WSxx	Standards configuration: Wall mount Controller with 10" touch panel display, built in buzzer, three common alarm relays, four programmable zone relay outputs, Modbus TCP/IP, Real time trends and historical trending. XX - number of channels as per list below
TP2WCxx	Carpark CO monitoring and fan control configuration: Wall mount Controller with 10" touch panel display, built in buzzer, three common alarm relays, four programmable zone relay outputs, Modbus TCP/IP, Alarm history. XX - number of channels as per list below
TPxW-USBLGR	TouchPro controller USB data logging firmware pack x(screen size): 1-7", 2-10"
TPxW-DCUPS	+24VDC Backup UPS. x(screen size): 1-7", 2-10"

For detailed ordering codes, see below on next page.

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Ordering code: example of model TP1WS04-02Z111

T	P	1	Size of Touch Screen			
			1	7" Touch screen		
			2	10" Touch screen		
W			Mounting Type			
			W	Wall Mount		
			R	Rack mount		
S					Controller Type	
					S	Standard
					C	Carpark CO
					x	User defined
04			Number of Channels			
			04	4 Channels		
			08	8 Channels		
			12	12 Channels		
			16	16 Channels		
			24	24 Channels		
			36	36 Channels		
			48	48 Channels		
			XX	User defined		
					Channel Input Type	
					0	4-20mA or 0-20mA
					1	0-5V or 0-10V
					2	Modbus RTU
					3	Bacnet MSTP
					X	User defined
0						
2			Number of Zones (one analog output, two relays per zone)			
			2	2 Zones		
			4	4 Zones		
			6	6 Zones		
			8	8 Zones		
Z					Communication	
					1	Modbus TCP/IP
					2	BACNet MSTP
					3	BACNet IP
					4	Profibus
					X	User defined
1						
			Number of Analog Output			
			0	None		
			1	2 analog outputs		
			2	4 analog outputs		
			3	8 analog outputs		
			X	User defined		
					Number of Relays	
					0	None
					1	8 NO relays
					2	16 NO relays
					3	24 NO relays
					X	User defined
1						