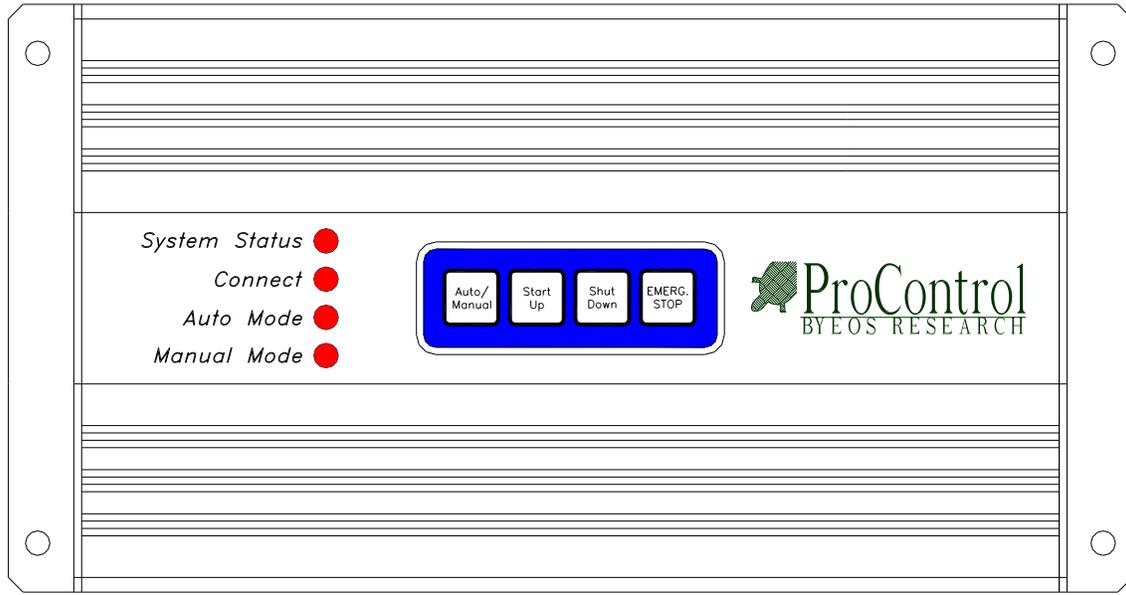# PROCONTROL series 2 plus

TYPE C
Product Specification

The **Type C** ProControls are our entry-level models, but don't let the low prices fool you. They're fully-capable PLC <u>and</u> SCADA systems with all the benefits of our other ProControl models, including stand-alone control, remote monitoring, on-board datalogging, and email/text alarm reporting. With industrially-hardened inputs, instrument power supplies, output relays, modem and keypad, the **Type C** contains everything you need for the core of your control/monitoring system. It's ideal for controlling pump stations, retrofitting to existing installations or when used to replace that old alarm dialer. With our <u>free</u> ProView™ software, the **Type C** becomes a sophisticated operations manager, allowing you to track flow rates and run times, receive alarm messages at your cell phone or pager, and download data for reporting purposes. So why use just an autodialer, when you can have a fully capable SCADA system for about the same price?

		Model C1	Model C2
INPUTS			
	Discrete	Ten (10) protected discrete inputs. Support for 2 flowmeters or pulse accumulators with rates to 200Hz.	Eight (8) protected discrete inputs. Support for 2 flowmeters or pulse accumulators with rates to 200Hz
	Analog	Two (2) 4-20ma inputs with built-in 24Vdc supply. Inputs are surge and short-circuit protected.	Two (2) 4-20ma inputs with built-in 24Vdc supply. Inputs are surge and short-circuit protected.
OUTPUTS			
	Discrete	Eight (8) relay outputs rated at 1 Amp, 120VAC	Eight (8) relay outputs rated at 1 Amp, 120VAC
	Analog		Two (2) 4-20ma outputs. PID loop control.

	Model C1	Model C2
DATALOGGING		
Discrete	250 points. All logging occurs on change of state.	2,000 points. All logging occurs on change of state.
Analog	500 points per channel	2,000 points per channel
Event	500 points	2,000 points
Totalizer	25 points per channel	50 points per channel
COMMUNICATIONS		
Cellular IP:	ProView™ Software, real-time monitoring from any broadband connection. Alarm and Status Emails, text messaging on alarm	
Analog phone modem:	ProView™ Software, real-time monitoring from any phone line. Alarm and Status fax reports, text/pager messages	
USER INTERFACE		
Keypad	1 x 4 membrane keypad.	
LEDs	LEDs: System Status, Communications Link, Auto Mode, Manual Mode	
PROCESS CONTROL		
System	Up to 32 regular system processes total (16 for C1) with 8 startup and 8 shutdown processes, specified by easy-to-understand Boolean (IF...THEN) logic	
Alarms	Generate shutdowns, emails, FAX reports and/or text messages.	
Analog	Four activation levels per analog input, On/Off control and alarm reporting	
Loops	PID loop control (Type C2 only) with user control of setpoint, proportional, integral and derivative gains and max change per calculation. Also open loop proportional algorithm.	
POWER		
System	10VAC, 30VA, external transformer provided	
I/O Supply	24 VDC and 12VDC available for powering sensors/instruments.	
ENVIRONMENTAL		
Dimensions	11.5" long x 6" wide x 3.5" high.	
Weight	4 lbs.	
Power Dissipation	20W max.	
Operating Temperature	-20C to +50C	
Humidity	95% R.H. non-condensing	

Crafted in the USA by people who know how to build something to last.

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