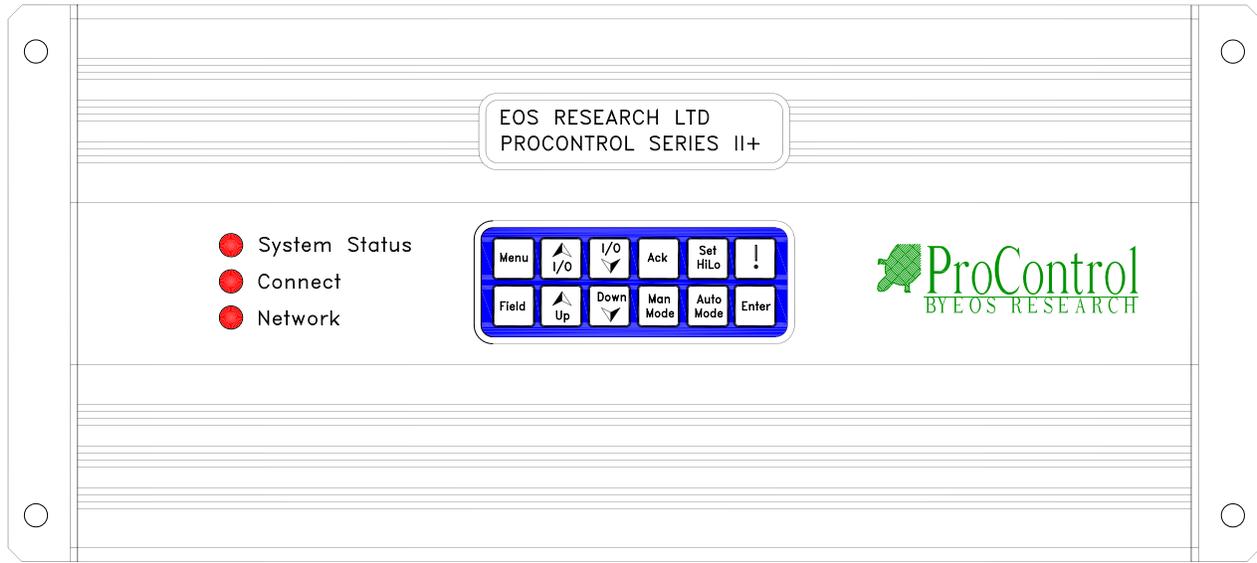


PROCONTROL *series 2^{plus}*

TYPE A Product Specification



The next generation **Type A** ProControl features a capacity of up to 78 industrially-hardened inputs and outputs in a small and easy-to-use package. The **Series 2^{plus}** contains everything you need for the core of your control/monitoring system, including the ability to drive motor starters, solenoids and other devices directly from built-in relay outputs. The **Series 2^{plus}** includes expanded datalogging and reporting capability, a built-in power supply for your instruments and transducers, as well as pluggable connectors for all I/O. The **Type A** features higher I/O counts, large datalog memory, greater process control capacity, and a vacuum fluorescent display. Available with Ethernet, cellular data modem and analog phone modem communication options.

	Model A1	Model A2
INPUTS		
Discrete	Sixteen (16) protected discrete inputs. Support for 4 flowmeters or pulse accumulators with rates to 500Hz.	Twenty-Four (24) protected discrete inputs (eight of these are status inputs). Support for 4 flowmeters or pulse accumulators with rates to 500Hz.
Analog	Sixteen (16) 4-20ma inputs with built-in 24Vdc supply. Inputs are surge and short-circuit protected and may also be used as discrete inputs	Sixteen (16) 4-20ma inputs with built-in 24Vdc supply. Inputs are surge and short-circuit protected and may also be used as discrete inputs
OUTPUTS		
Discrete	Twenty-two (22) relay outputs - 14 rated @ 1A, remainder @ 0.5A, 120V	Thirty (30) relay outputs - 14 rated @ 1A, remainder @ 0.5A, 120V
Analog		Eight (8) 4-20ma outputs. PID loop control.

	Model A1	Model A2
DATALOGGING		
Discrete	30,000 points standard. All logging occurs on change of state.	30,000 points standard. All logging occurs on change of state.
Analog	80,000 points standard (5000 per channel)	80,000 points standard (5000 per channel)
Event	10,000 points standard.	10,000 points standard.
Totalizer	50 points per channel	50 points per channel
COMMUNICATIONS		
Ethernet, 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 (email optional)	
ProControl Network:	Optional, can be linked via RS-485 for distributed control or higher I/O counts	
USER INTERFACE		
Display	VFD (Vacuum Fluorescent Display) 2 x 20 character display	
Keypad	2 x 6 membrane keypad.	
LEDs	LEDs: System Status, Communications Link, Networking	
PROCESS CONTROL		
System	Up to 64 regular system processes total with 16 startup and 16 shutdown processes, specified by easy-to-understand Boolean (IF...THEN) logic	
Alarms	Generate shutdowns, emails, FAX reports and/or text messages.	
Loops	PID loop control with user control of setpoint, proportional, integral and derivative gains and max change per calculation. Also open loop proportional algorithm.	
POWER		
System	10VAC, 50VA, external transformer provided	
I/O Supply	24 VDC, 15V and 9V available for powering sensors/instruments.	
ENVIRONMENTAL		
Dimensions	13.5" long x 6" wide x 3.5" high.	
Weight	7 lbs.	
Power Dissipation	30W 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.



159 Walnut Street
Rochester, NH 03867
(603) 332-2099
(603) 332-2727 FAX
www.eosresearch.com