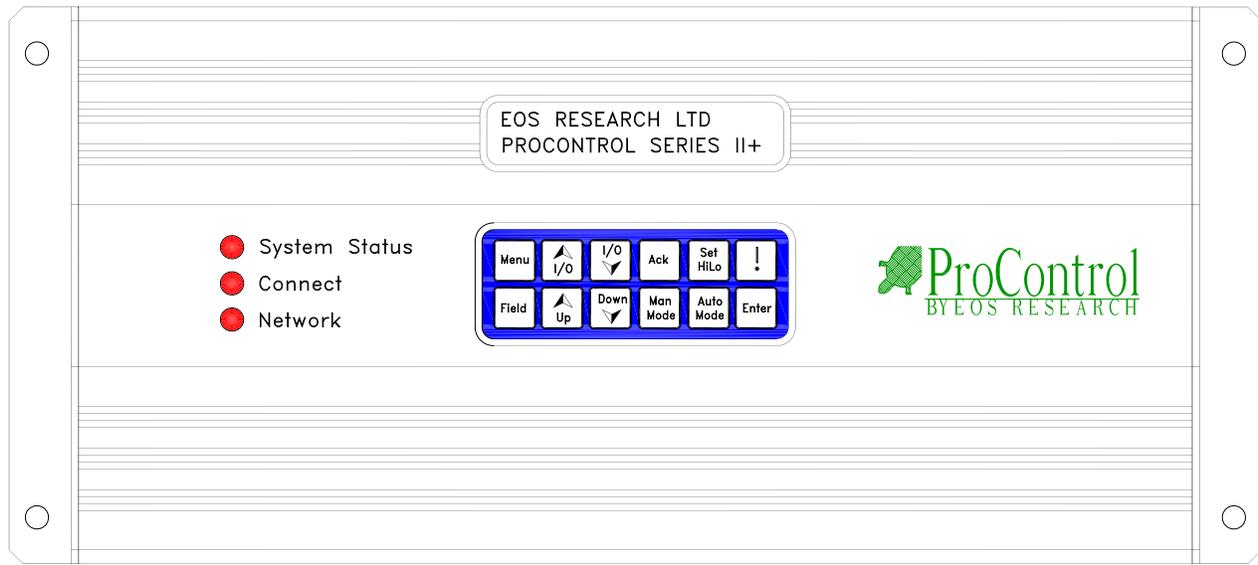


PROCONTROL *series 2^{plus}*

TYPE B Product Specification



The next generation **Type B** ProControl features a capacity of up to 51 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 connect directly to 120V inputs, and to drive motor starters, solenoids and other devices directly from built-in relay outputs. The **Type B** 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. It's a truly capable SCADA system for your operation. Available with Ethernet, cellular data modem and analog phone modem communication options.

	Model B1	Model B2
INPUTS		
Discrete	Twelve (12) protected discrete inputs. Support for 4 flowmeters or pulse accumulators with rates to 200Hz.	Fourteen (14) protected discrete inputs. Eight (8) optically isolated inputs. Support for 6 flowmeters or pulse accumulators with rates to 200Hz.
Analog	Eight (8) 4-20ma inputs with built-in 24Vdc supply. Inputs are surge and short-circuit protected and may also be used as discrete inputs	Ten (10) 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	Fourteen (14) relay outputs rated @ 1A, 120V	Fourteen (14) relay outputs rated @ 1A, 120V
Analog		Five (5) 4-20ma outputs. PID loop control.

	Model B1	Model B2
DATALOGGING		
Discrete	2,000 points standard. 30,000 points optional. All logging occurs on change of state.	30,000 points standard. All logging occurs on change of state.
Analog	16,000 points standard (2000 per channel). 40,000 points optional.	20,000 points standard (2000 per channel). 50,000 points optional.
Event	2,000 points standard. 10,000 points optional.	2,000 points standard. 10,000 points optional.
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	Rugged LCD (Liquid Crystal 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 (Type B2 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, 15V and 9V available for powering sensors/instruments.	
ENVIRONMENTAL		
Dimensions	13.5" long x 6" wide x 3.5" high.	
Weight	6 lbs.	
Power Dissipation	25W 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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