

Series	Price	Loop Control Inputs									Control Outputs							Comms	Security			Misc										
		Base 1st Price	250VAC or 1-26VAC/DC	Power Inj. 90-250VAC	Display: S=Single	Universal Input: V, RTD, MM, DC	Universal Input: M, RTD, MM, DC	Universal Input: PV or CT	2nd analog input: remote SP, 2nd PV or CT	1st analog input: 18 bit analog input, 200 mA input, sensor	Remote to Setpoint	Event Input	Total number of control outputs	PID Auto Tune	Fuzzy Assist	Output #1: on/off or PID	Output #2: PID cool Alarm or Trx PS		Output #3: ELD	Output #4: Alarm	Output #5: Alarm	Timer (latch on all)	Alarm Logic: Dev, Dev Band, Process, Latching, Process (latch on all)	Analog Retransmission	Serial Modbus RS232 or 485	Operator Security: DIP Switch	Operator Security: Software	Operator Security: Password	Operator Security: Password	3-Year Warranty	Agency (12): UL, CSA, C.E. RoHS	PC Configuration
300 Series																																
2500 1/32 DIN	\$206	✓		S	✓		✓	✓	✓	(1)✓	3	(3)✓	✓	✓				✓		(6)	✓	(8)✓(9)	(8)✓		✓				✓	✓	Y	S
9300 1/16 DIN	\$221	✓		D	✓		✓	✓	✓	(1)✓	3	(3)✓	✓	✓				✓		(6)	✓	(8)✓(9)	(8)✓		✓				✓	✓	Y	S
8300 1/8 DIN	\$275	✓		D	✓		✓	✓	✓	(1)✓	4	(3)✓	✓	✓				✓		(6)	✓	(8)✓(9)	(8)✓		✓				✓	✓	Y	O
4300 1/4 DIN	\$325	✓		D	✓		✓	✓	✓	(1)✓	4	(3)✓	✓	✓				✓		(6)	✓	(8)✓(9)	(8)✓		✓				✓	✓	Y	O
100 Series																																
9100 1/16 DIN	\$159	✓		D	✓		✓	✓	✓		3	✓	✓					✓			✓	(8)✓(10)	(8)✓		✓				✓	✓	Y	O
8100 1/8 DIN	\$199	✓		D	✓		✓	✓	✓		3	✓	✓					✓			✓	(8)✓(10)	(8)✓		✓				✓	✓	Y	O
4100 1/4 DIN	\$199	✓		D	✓		✓	✓	✓		3	✓	✓					✓			✓	(8)✓(10)	(8)✓		✓				✓	✓	Y	O
B Series Board Level	\$149	✓		D	✓		✓	✓	✓		3	✓	✓					✓			✓	(8)✓(10)	(8)✓		✓				✓	✓	Y	O
C Series																																
C21 1/32 DIN	\$139	✓		S	✓		✓	✓	✓		2	✓	✓					✓			✓	(8)✓(10)	(8)✓		✓				✓	✓	Y	S
C91 1/16 DIN	\$139	✓		S	✓		✓	✓	✓		2	✓	✓					✓			✓	(8)✓(10)	(8)✓		✓				✓	✓	Y	O
P Series (Profile 13)																																
P91 1/16 DIN	\$221	✓		D	✓		✓	✓	✓	(1)✓	3	(3)✓	✓				(3)✓	(3)✓	(7)	✓		(8)✓(10)	(8)✓		✓				✓	✓	Y	O
P41 1/4 DIN	\$325	✓		D	✓		✓	✓	✓	(1)✓	4	(3)✓	✓				(3)✓	(3)✓	(3)✓(7)	✓		(8)✓(10)	(8)✓		✓				✓	✓	Y	O
L Series (FM Limits)																																
L91 1/16 DIN	\$180	✓		S	✓		✓	✓	✓	(13)✓(1)✓	2		(4)				(4)✓			(4)		(8)✓(10)	(8)✓			(11)			✓	✓	Y	O
L41 1/4 DIN	\$299	✓		D	✓		✓	✓	✓	(13)✓(1)✓	2		(4)				(4)✓			(4)		(8)✓(10)	(8)✓			(11)			✓	✓	Y	O
90 Series (Legacy)																																
9090 1/16 DIN	\$179	✓		D	✓		✓	✓	✓		2	✓	✓				(5)✓				✓								✓	✓		

(1) Event Input:

- 300 Series configurable for 1 of 9 functions
SP2, PID2, SP2/PID2, reset alarms, disable output 1, 2, or 1 & 2, switch remote to local SP, Lock all parameters
- P Series configurable for 1 of 8 functions:
Profile - Start, Hold, Abort, Switch to Manual mode, failure transfer, all outputs off, segment advance, select 2nd PID parameters
- L Series Event Input is configurable as remote reset or remote Lock;
Event input is standard L41; optional on L91 and consumes L91 output #2

(2) 300 & P Series PID Sets: Both models are capable of storing two PID sets

- P and 300 Series may switch between PID sets via event input
- P Series may also have specific PID set configurable by segment within a profile.

(3) P Series Output 2, 3 & 4

- Hardware may be specified as an Output or Trx Power Supply
- Outputs may be specified as an Alarm or an Event
(events functional when running a profile, configurable by segment)
(alarm configurable as standard alarms and as profile alarms: Hold, Run or End)
- Output #4 (P41 only) may also be specified for Retransmission of PV or SP

(4) L Series

- L Series Output #1 is a latching output; No PID output
Output #2 configurable as Process (latching or not) or alarm silence logic
- L 91 Single Display; when in Alarm show PV, when not in alarm configurable as follows:
L 91 display configurable to show PV, SAFE or SP1 or 2.
- L41 display: upper display always shows PV
L41 lower display: when in alarm shows SP, when not in alarm configurable to show SP or SAFE

(5) 9090 output #2

Alarm only configurable as process, deviation, deviation band or timer

(6) 300 Series Alarm Logic

- also includes Heater Break Alarm based upon PV#2 CT input, loop break alarm, process alarms on PV #1 and/or 2 and delta PV1 & PV2

(7) P Series Alarm functionality:

- P Series does not offer latching output or Timer alarm outputs
- P Series also offers profile specific alarm logic: End of Profile, Hold mode and Static mode

(8) Communications: Analog Retransmission and Serial Modbus RS232/485

- Analog Retransmission and Serial Modbus are mutually exclusive except for the model P41
- The 300 & 100 Series, C21 and L41 offer a specific Communications output option in matrix
- The C91 and L91 Series offers Communication options but are mutually exclusive with output #2
- Multiview PC based SCADA and Orion-M color touch screen systems communicate with 300 Series only

(9) Analog Retransmission - 300 Series: PV, SP or percent out for output #1 or #2

(10) Analog Retransmission - 100, C, L and P Series: C & 100 Series PV only; L & P Series PV or SP

(11) Security L Series: Setpoint & configuration Lock occurs after time-out period or digital input

(12) Agency Approval - UL component recognition & UL Listed

The L41 & P Series are UL Listed; all other controls are UL Recognized

(13) P Series Profile Overview

- up to 9 programs
- up to 2 PID outputs w/2 PID sets
- up to 64 segments/program
- up to 3 alarms or events