CE/UL

More power & speed in this palm-size PLC with built-in Graphic LCD display, keypad, & onboard I/Os (expandable up to 256)

Article Number										
Classic Panel	**V130-33-B1**	**V130-33-TR20**	**V130-33-R34**	**V130-33-TR34**	**V130-33-TR6**	**V130-33-RA22**	**V130-33-TRA22**	**V130-33-T2**	**V130-33-T38**	**V130-33-TA24**
New Flat Panel	**V130-J-B1**	**V130-J-TR20**	**V130-J-R34**	**V130-J-TR34**	**V130-J-TR6**	**V130-J-RA22**	**V130-J-TRA22**	**V130-J-T2**	**V130-J-T38**	**V130-J-TA24**
	No onboard I/Os	**10** Digital **2** D/A Inputs[1] **6** Relay Outputs **2** High-speed Transistor Outputs	**20** Digital **2** D/A Inputs[1] **12** Relay Outputs	**20** Digital **2** D/A Inputs[1] **8** Relay **4** High speed Transistor Outputs	**6** Digital, **2** D/A **4** Analog Inputs[1] **6** Relay Outputs **2** High-speed Transistor Outputs	**8** Digital **2** D/A, **2** PT100/TC/ Digital[1] Inputs **8** Relay **2** Analog Outputs	**8** Digital, **2** D/A **2** PT100/TC/ Digital[1] Inputs **4** Relay, **2** Analog **4** High-speed Transistor Outputs	**10** Digital **2** D/A Inputs[1] **12** Transistor Outputs	**20** Digital **2** D/A Inputs[1] **16** Transistor Outputs	**8** Digital **2** D/A, **2** PT100/ TC/Digital[1] Inputs **10** Transistor **2** Analog Outputs
Inputs										
Digital pnp/npn	None	**12**	**22**	**22**	**8**	**12**	**12**	**12**	**22**	**12**
HSC/Shaft-Encoder/ Max. Freq. Measurer[2&3]		**3** 200kHz[4] 32-bit	**3** 30kHz 32-bit	**3** 200kHz[4] 32-bit	**1** 200kHz[4] 32-bit	**1** 30kHz 32-bit	**1** 200kHz[4] 32-bit	**3** 30kHz 32-bit	**2** 30kHz 32-bit	**1** 30kHz 32-bit
Analog		**2** 10-bit, 0-10V 0-20mA 4-20mA	**2** 10-bit, 0-10V 0-20mA 4-20mA	**2** 10-bit, 0-10V 0-20mA 4-20mA	**2** 10-bit, 0-10V 0-20mA, 4-20mA **and** **4** 10-bit, 0-20mA 4-20mA	**2** 14-bit 0-10V, 0-20mA 4-20mA	**2** (2 modes) Normal: 14-bit Fast: 12-bit 0-10V, 0-20mA 4-20mA	**2** 10-bit 0-10V 0-20mA 4-20mA	**2** 10-bit 0-10V, 0-20mA 4-20mA	**2** (2 modes) Normal:14-bit Fast: 12-bit 0-10V, 0-20mA, 4-20mA
Temperature Measurement		None	None	None	None	**and as** **2** PT100/TC	**and as** **2** PT100/TC	None	None	**and as** **2** PT100/TC
Outputs										
Digital		**6** relay	**12** relay	**8** relay	**6** relay	**8** relay	**4** relay	**12** pnp	**16** pnp	**10** pnp
High-Speed Outputs/PWM		**2** npn (2 PTO) 200kHz max	None	**4** npn (3 PTO) 200kHz max	**2** npn (2 PTO) 200kHz max	None	**2** npn (2 PTO) 200kHz max	**7** 0.5kHz	**7** 0.5kHz	**5** 0.5kHz
Analog		None	None	None	None	**2** 12-bit 0-10V, 4-20mA	**2** 12-bit 0-10V, 4-20mA	None	None	**2** 12-bit 0-10V, 4-20mA

I/O Expansion	
	Local or Remote I/Os may be added via expansion port or via CANbus

Program	
Application Memory	Application Logic: 512K • Images: 256K • Fonts: 128K
Scan Time	20μ sec per 1K of typical application
Memory Operands	4096 coils, 2048 registers, 256 long integers (32-bit), 64 double words (32-bit unsigned), 24 floats, 192 timers (32-bit), 24 counters Additional non-retainable operands: 1024 X-bits, 512 X-integers, 256 X-long integers, 64 X-double words
Data Tables	120K dynamic RAM data (recipe parameters, datalogs, etc.), up to 256K Flash data
SD Card (Micro)	Store datalogs, Alarm History, Data Tables, Trend data, export to Excel • Back up Ladder, HMI & OS, clone PLCs
Enhanced Features	Trends: graph any value and display on HMI • Built-in Alarm management system • String Library: instantly switch HMI language

Operator Panel	
Type	Graphic STN LCD, white LED backlight
Display	Resolution: 128 x 64 pixels • Size: 2.4"
Keys	20, including 10 user labeled keys (slide kit sold separately)

General	
Power Supply	24VDC, except for V130-33-B1, which is 12/24VDC
Battery	7 years typical at 25°C, battery back-up for all memory sections and RTC
Environment	IP66/IP65/NEMA4X (when panel mounted)
Clock	Real-time clock functions (date and time)