

This guide provides specifications for Unitronics' color touchscreen controllers V570-57-T20B , V570-57-T20B-J and V570-57-T40B. You can find additional documentation on the Unitronics' Setup CD and in the Technical Library at www.unitronics.com.

Technical Specifications

Power Supply

	V570-57-T20B V570-57-T20B-J	V570-57-T40B
Input voltage	12 or 24VDC	24VDC
Permissible range	10.2-28.8VDC	20.4-28.8VDC
Max. current consumption	540mA@12V 270mA@24V	320mA@24V

Battery

Back-up	7 years typical at 25°C, battery back-up for RTC and system data, including variable data.
Replaceable	Yes, without opening the controller.

Graphic Display Screen

	See Note 1 V570-57-T20B V570-57-T20B-J	V570-57-T40B
LCD Type	TFT	TFT
Illumination backlight	White LED	CCFL fluorescent lamp
Display resolution, pixels	320x240 (QVGA)	
Viewing area	5.7"	
Colors	256	
Touchscreen	Resistive, analog	
'Touch' indication	Via buzzer	
Screen brightness	Via software (Store value to SI 9).	
Keypad	Displays virtual keyboard when the application requires data entry.	

Notes:

1. Note that the LCD screen may have a single pixel that is permanently either black or white.

Optional port User may install a single Ethernet port, or an RS232/RS485 port. Available by separate order.

Notes:

3. The standard for each port is set to either RS232/RS485 according to DIP switch settings. Refer to the Installation Guide.
4. V570-57-T20B & V570-57-T20B-J supports both 12 and 24VDC CANbus power supply, (±4%), 40mA maximum per unit. Note that if 12 VDC is used, the maximum cable length is 150 meters.

I/Os

Number of I/Os and types vary according to module. Supports up to 512 digital, high-speed, and analog I/Os.

Snap-in I/O modules Plugs into rear port to create self-contained PLC with up to 43 I/Os.

Expansion modules Local adapter (P.N. EX-A1), via I/O Expansion Port. Integrate up to 8 I/O Expansion Modules comprising up to 128 additional I/Os.

Remote adapter (P.N. EX-RC1), via CANbus port. Connect up to 60 adapters; connect up to 8 I/O expansion modules to each adapter.

Exp. port isolation Galvanic

Dimensions

Size 197X146.6X68.5mm (7.75" X 5.77" X2.7"). See Note 5

Weight 750 gm (26.4 oz)

Notes:

5. For exact dimensions, refer to the product's Installation Guide.

Mounting

Panel-mounting Via brackets

Environment

Inside cabinet IP20 / NEMA1 (case)

Panel mounted IP65 / NEMA4X (front panel)

Operational temperature 0 to 50°C (32 to 122°F)

Storage temperature -20 to 60°C (-4 to 140°F)

Relative Humidity (RH) 5% to 95% (non-condensing)

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