V100-17-ET2, V100-S-ET2 Ethernet Module

This guide provides specifications for Unitronics' communication module V100-17-ET2, V100-S-ET2.

You can find additional information, such as wiring diagrams, in the product's installation guide located on the Unitronics' Setup CD and in the Technical Library at www.unitronics.com.

V100-17-ET2, V100-S-ET2

Use this module to add an Ethernet port to the controller and implement communications via TCP/IP, such as MODBUS over TCP.

Standard Kit contents

V100-17-ET2, V100-S-ET2



RJ45 Connector Pinout		Ethernet LEDS	
Pin#	Description	LED	Function
1	T+ = Positive transmit signal	Green	ON when link
2	T- = Negative transmit signal	(LNK)	exists
3	R+ = Positive receive signal	Yellow	Blinks during
6	R- = Negative receive signal	(ACT)	RX/TX

Ethernet Connections

Controller to hub/switch connection				
Controller		Hub/S	Hub/Switch	
Pin#	Function	Pin #	Function	
1	T+ -	1	T+	
2	T	 2	T-	
3	R+ ◆	3	R+	
6	R- ◆	6	R-	

Controller to controller connection				
Contr	oller		Controller	
Pin #	Function		Pin #	Function
1	T+ -		▶ 3	R+
2	T		▶ 6	R-
3	R+ ◆		- 1	T+
6	R- ◆		- 2	T-

V100-17-ET2, V100-S-ET2 Technical Specifications

Port type RJ45

Transmission speed 10/100Mbps

Network topology Star, based on external hub/switch
Cable type Category 5 STP (shielded twisted

pair) is recommended;

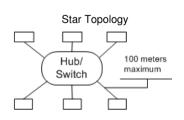
UTP (unshielded twisted pair) may

also be used

Drop line length Up to 100 meters, controller to

hub/switch or controller to controller.

Weight 22g (0.77 oz)



Environment

Relative Humidity (RH)	10% to 95% (non-condensing)	
	V100-17-ET2	<u>V100-S-ET2</u>
Operational temperature	0 to 50°C (32 to 122°F)	-30 to 60°C (-22 to 140°F)
Storage temperature	-20 to 60°C (-4 to 140°F)	-30 to 60°C (-22 to 140°F)

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