

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

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

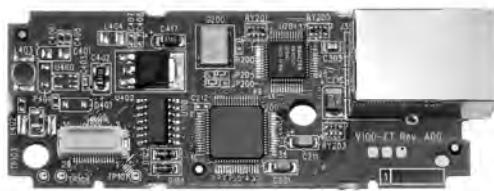
You can find additional information, such as wiring diagrams, in the product's installation guide located on the Unitronics' Setup CD and in the Technical Library at www.unitronics.com.

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



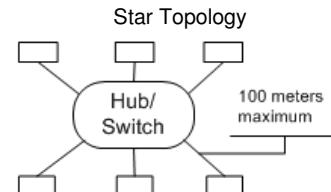
RJ45 Connector Pinout				Ethernet LEDs	
Pin #	Description			LED	Function
1	T+ = Positive transmit signal			Green (LNK)	ON when link exists
2	T- = Negative transmit signal				
3	R+ = Positive receive signal			Yellow (ACT)	Blinks during RX/TX
6	R- = Negative receive signal				

Ethernet Connections

Controller to hub/switch connection				Controller to controller connection			
Controller		Hub/Switch		Controller		Controller	
Pin #	Function	Pin #	Function	Pin #	Function	Pin #	Function
1	T+ —————→ 1	1	T+	1	T+ —————→ 3	3	R+
2	T- —————→ 2	2	T-	2	T- —————→ 6	6	R-
3	R+ ← 3	3	R+	3	R+ ← 1	1	T+
6	R- ← 6	6	R-	6	R- ← 2	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)	
	<u>V100-17-ET2</u>	<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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