

TEK-UT TekMonitor™ Universal Translator

Swapping out one display for another in a control system without requiring a programming change is now possible with TEK-UT, the TekMonitor™ Universal Translator. TEK-UT simply converts the RS232 control protocol from one display to another regardless of the manufacturer or make of the display device or control system. This is accomplished by loading drivers into the COM ports on TEK-UT to match the protocol of each device. Then, the commands can be manipulated with the Macro editor to match the desired functionality. The TEK-UT is placed between the control system and the new display by using the RS232 control cable from the old display.

On a TEK-UT, the Display COM, is connected to the new display and loaded with a normal device driver to communicate with the display. The System COM connects to the control system and loaded with a special translator driver that emulates the original display. Commands that are received by the control system are then converted by the driver into Macro commands where they are manipulated by the Macro engine. Once a Macro command is received, the Macro can then either send commands to the new display or send feedback data back to the control system.

TEK-UT can be easily configured utilizing TekWizard™, a component of the bundled TekManager™ software suite which offers an intuitive step-by-step setup process.

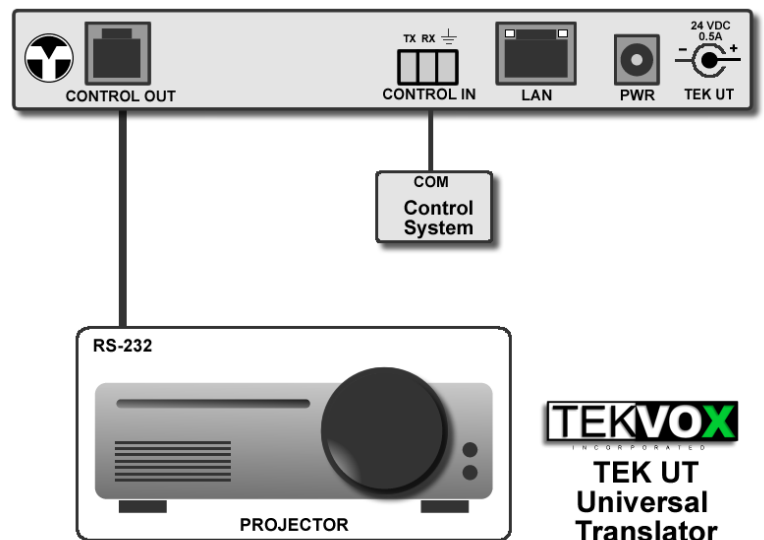
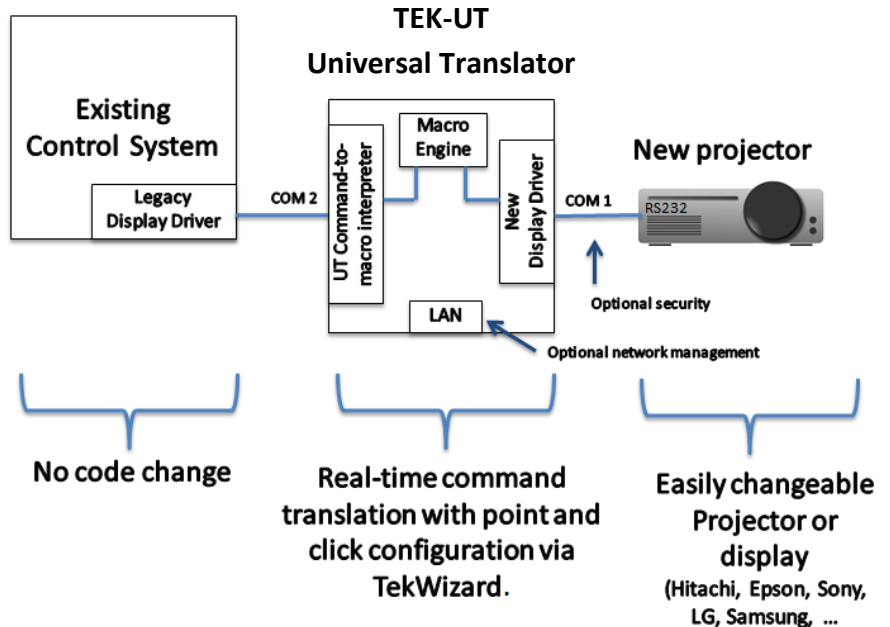
TekMonitor™ Universal Translator

Features:

- Control System Universal Translator Driver
- Comprehensive Library of Display Drivers
- Point and Click Command Mapping
- Configure with TekWizard™ Software

TEK-UT Package Contents:

- TekMonitor™ Universal Translator Module
- 100-240VAC, 47/63 Hz, 0.5A, 15 watts Power Supply
- Display Cable Adapter
- Display Specific Cable
- DB9 Male to Phoenix RS232 Adapter Cable



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Device Hardware Specifications

Display Interface

Connector..... RJ12 modular connector
COM 1 RS-232 serial TX and RX
Operating Indicator..... ESD protected input with internal 10K pull-up resistors
LED Output..... Open collector Darlington with 300 ma @ 24V
Pull-Up..... 2.7K 1/4 watt resistors connected to 24V (9 mA)

Control System Interface

Connector..... Phoenix Connector – 3 Positions
COM 2 RS-232 serial TX and RX
Ground Earth ground interface

Ethernet Network Interface

Connectors..... 1 - RJ-45 male connector
Data rate..... 10/100Base-T, half/full duplex with auto sensing
Network Protocol SupportedDHCP, ICMP (ping), TCP/IP, UDP, Telnet, SMTP

General

DC Power Supply (Included)..... 100-240VAC, 47/63 Hz, 0.5A, 15 watts
DC Power 24 VDC with Idle current of 0.06 Amps and Maximum current of 0.65 Amps
Temperature/humidityStorage -40° to +158°F or -40° to +70°C @ 10% to 90% relative humidity
Non-Condensing Operation +32° to +122°F or 0° to +50°C @ 10% to 90% relative humidity
Enclosure type..... Aluminum
Enclosure dimensions (English) 1.0" Height x 6.9" Width x 3.0" Length
Enclosure Dimensions (Metric) . 2.52 cm Height x 17.50 cm Width x 7.59 cm Length
Product weight..... 0.36 lbs. or 0.16 kg
Shipping weight..... 2 lbs. or 1.0 kg
Compliance CertificationsFCC Class B, Canadian ICES-003, CE
MTBF..... 30,000 hours
Warranty..... 2 years parts and labor

*Specifications are subject to change without notice.