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## **KTD-312** Interface Module

### **Overview**

The KTD-312 is a multi-functional device that can be field programmed to operate as a computer interface or data merger. It is designed for use in a Digiplex® system.

### **Outstanding Features**

The KTD-312 features a DTMF input port. It provides an RJ45 connector for the RS232 interface. All other cable connections are made on a removable terminal strip. An RJ45 connection cable, RJ45-to-DB9 adapter, and 9 VAC power transformer are included with the unit.

When used as a computer interface, the KTD-312 establishes a communication link between a Digiplex CCTV control system and an external computer. This feature enables the computer to monitor alarms, download information, and control a variety of Digiplex system devices. These include PTZ domes and receivers, matrix switchers, and auxiliary receivers. Components are controlled via seven-character ASCII strings. A limited number of functions may be transmitted from the KTD-312 to the computer via five-character ASCII strings.

When operating as a data merger, the KTD-312 can combine two Digiplex RS422 control signals into one common output signal.



### **Standard Features**

- **Functions as a computer interface or data merger**
- **Field programmable**
- **Simple seven-character ASCII control commands**
- **Selectable baud rates**
- **RS232 interface port**
- **DTMF input port**
- **Simple connections**
- **LED status indicator light**



# KTD-312

## Interface Module

### Specifications

#### Electrical

- Input voltage: 9 VAC or 12 VDC
- Input power: 3.6 VA
- Input computer port: RS232
- Input Digiplex port: RS422
- Input call signal: DTMF, 0.5 V to 3.0 V pk-pk
- Output Digiplex port: RS422

#### Data

- RS232 speed interface mode: 2400/9600 baud, input and output
- RS422 speed merger mode: 2400/4800 baud, output only
- Protocol: Asynchronous, 8 data bits, no parity, 1 stop bit. ASCII, LSB first, MSB=0, CTS used
- DB9 pinout:
  - Pin 2: RXD (data to computer)
  - Pin 3: TXD (data from computer)
  - Pin 5: COM (data ground)
  - Pin 7: RTS (request-to-send)
  - Pin 8: CTS (clear-to-send)

#### Commands Recognized

- Autopan, relay on, relay off, find preset, set preset, universal cancel, camera select, sequence, alarm enable, clear screen, annunciate, annunciate cancel, alarm on, alarm off, time/date, auto focus, face video, badge video
- Overhead video, door 1 video, door 2 video, talk, zoom in, zoom out, focus near, focus far, iris open, iris close, gate open, gate close, tilt up, tilt down, pan left, pan right, pan slow, pan fast, door 1 open, door 2 open

#### Functions Reported

- Alarm on, alarm off, annunciate, annunciate cancel

#### Display

- Bi-colored LED, data transmit and receive

#### Connections

- Power: 5 mm jack
- Computer data: RJ45 modular jack to DB9 connector
- Digiplex port: 8-position removable terminal strip

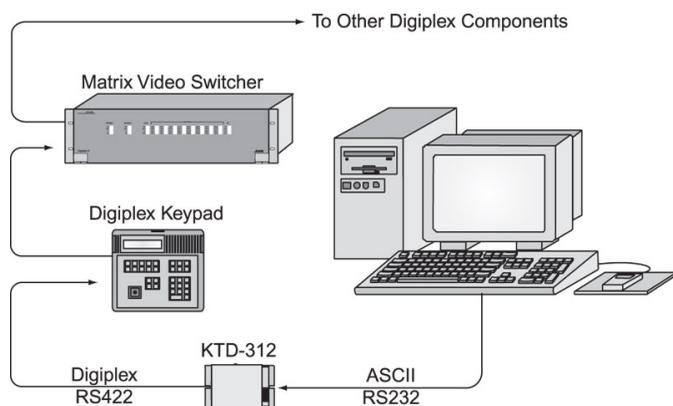
#### Mechanical

- Weight: 7 oz (200 g)
- Construction: 0.050 in (1.27 mm) aluminum
- Finish: Black anodized

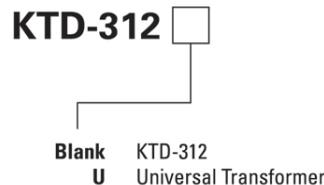
#### Ratings and Certifications

- UL listed

### Related Diagram



### Ordering Information



GE Security

Mailing Address  
4575 Research Way, STE 250  
Corvallis, OR 97333 USA  
www.GESecurity.com

Americas  
800-469-1676 (US only)  
tel 541-754-9133  
fax 541-754-7162

Asia  
tel 852-2907-8108  
fax 852-2142-5063  
Australia  
tel 61-3-9259-4700  
fax 61-3-9259-4799

Europe  
tel 32-2-725-11-20  
fax 32-2-721-86-13  
Latin America  
tel 305-267-4301  
fax 305-267-4300

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