HSL-DI16-UL

16-CH Discrete Input Module with Stretcher Function

Specifications

Slave ID Consumption	1
Transmission Mode	Full/Half duplex
Transmission Speed	3/6/12 Mbps selectable, 6 Mbps is default setting
Input Current	10 mA (max.), NPN sinking
Input Voltage	5 V, 12 V, and 24 V
Operation Temperature	0°C to +60°C
Photo Couple Isolation Voltage	2500 VRMS
LED Indicator	Power, Input status and Link
Dimension	138 x 52.7 x 71.8 mm (W x H x D)
Power Requirement	+24 VDC (±10%)

Features

- Support 16 DI channels
- Build in pulse stretcher function
- Suitable for single I/O channel wiring (3-pin)
- User stretch duration definable from 0 ms to 100 ms
- User can define active high or active low
- Input voltage can be selectable to cater for 5 V, 12 V, and 24 V
- Transmission speeds: 3/6/12 Mbps
- RJ-45 phone jack for easy installation
- Compact and single board design to meet space limitation and cost-effective requirement

Software Support

- **Windows® Platform**

  Windows® Vista (32-bit)/XP/2000 libraries

- **HSL LinkMaster Utility**

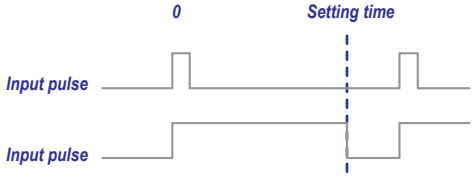
  The HSL LinkMaster utility is used to scan and test slave devices.

Ordering Information

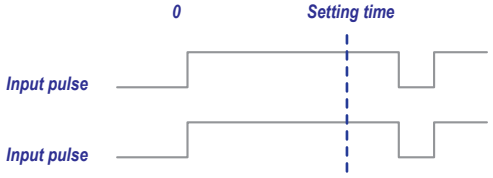
- **HSL-DI16-UL**
  16-CH discrete input with stretcher function

Pulse Stretch Options

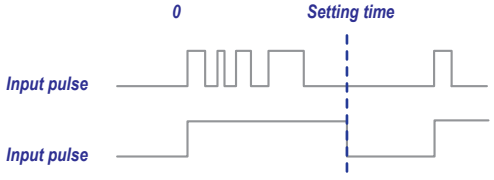
Case 1. Input pulse duration < setting duration: stretch duration = setting time.



Case 2. Input pulse duration > setting duration: stretch duration = input pulse duration



Case 3. Input pulse duration < setting duration, but extra pulses occurs in this period: Stretch active based on first pulse.



Case 4. Input pulse duration < setting duration, but extra pulse occurs at the end of setting time: Stretch will extend the duration until extra pulse ends.