

Opto-Isolation Data I/O Controller

Model: UT-5514

User Manual

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Chapter 1 General Information

1.1 Product Introduction

Model UT-5514 opto-isolated parallel data input/output controller uses four 8-bit channels for data input and another four 8-bit channels for data output. All data input/out is compatible with TTL/DTL electrical level. Every data input/output channel is similar to that of computer interface.

1.2 Product Applications and Specifications

- Multi-signal status monitoring
- Parallel data transmission and communication
- Industrial automation and control
- Laboratory automation and control
- Multi-channel signal conversion control
- Induction electric eye monitoring
- Production line automation contro
- Automated test guide

Chapter 2 Installation

2.1 Product appearance



22. Connector allocation

Data devices use 10-pin terminals as their input/output interfaces. Pin allocation is as follows:

Note:

- GND: Ground
- VCC: DC9—30V power input, operating current: 350mA
- DATA-: communication interface (RS232: data receiving; RS485: RS485-)
- DATA+: communication interface (RS232: data sending; RS485: RS485+)
- INIT: Reset
- IN.COM: 5-24 negative voltage common input end
- IN0、IN1、IN2、IN3: 5-24V positive voltage input
- NO1、NO2、NO3、NO4: relay normally open end
- NC1、NC2: relay normally closed end
- COM1、COM2、COM3、COM4: relay common end

CN1:

Connection socket 1:

GND	10
VCC	9
DATA-	8
DATA+	7
IN.COM	6
INIT	5
IN0	4
IN1	3
IN2	2
IN3	1

CN2:

Connection socket 2:

NO1	10
NC1	9
COM1	8
NO2	7
NC2	6
COM2	5
NO3	4
COM3	3
NO4	2
COM4	1

Chapter 3 Control Programming

1. QUICK BASE Programming Sample

Input:

CLS	Clear Screen
CALL OUT PORTA, 1	Output & H2A0 Address' 0 digit is with high electric level (DO0-DO7, 10000000)
OUT PORTA,1+2	Output & H2A0 Address' 01 digit is with high electric level (DO0-DO7, 11000000)
SLEET(1)	Pause one second
OUT PORTA,0	Output & H2A0 address' all output data are with low electric levels
Input:	
CLS	Clear Screen
PORTA=&H2A0	Define input address.
A=INP(PORTA)	'Read&H2A0 interface 8-bit data status. (DI0-DI7)
PRINT A	Print A's value to the screen.
B=INP(PORTA)AND 2	'Specific read & H2A0 second digit interface and data status. (DI1)
PRINT B	'Print B's value to the screen.