



## 4 pt. 230 AC In/4 pt. Relay Out Module with built-in Electromagnetic shield

| Module Specifications      |                            |  |
|----------------------------|----------------------------|--|
| AC Input Specs             | Number of Inputs           | 4  |
|                            | Input Voltage Range        | 180-260 VAC  |
|                            | AC Frequency               | 47-63 Hz   |
|                            | Peak Voltage               | 500 Volt   |
|                            | Input Current              | 0.5mA @ 230 VAC  |
|                            | Maximum Input Current      | 0.6mA @ 260 VAC  |
|                            | Input Impedance            | 400K minimum   |
|                            | ON Voltage Level           | 180 VAC  |
|                            | OFF Voltage Level          | 120 VAC  |
|                            | OFF to ON Response         | < 10ms   |
|                            | ON to OFF Response         | < 10ms   |
|                            | Status Indicators          | Red LED for each input                                   |
|                            | Commons                    | 1 Common   |
|                            | Fuse                       | No fuse  |
| Relay Output Specs         | Base Power Required (3.3V) | 10mA for all 4 on  |
|                            | Optical Isolation          | 2500 Volt  |
|                            | Wires                      | 1 of 14 AWG, 2 of 18 AWG, 4 of 22 AWG                    |
|                            | Number of Outputs          | 4  |
|                            | Output Voltage Range       | 5-400 VDC or 20-260 VAC                                  |
|                            | Output Type                | Relay 1 Form A (SPST)                                    |
|                            | Output Terminals Consumed  | 5  |
|                            | Peak Voltage               | 400 VDC/260 VAC  |
|                            | AC Frequency               | 47-63 Hz   |
|                            | Maximum Current (resist.)  | 1A/point   |
|                            | Maximum Leakage Current    | 0.5mA @ 260 VAC @ 60Hz                                   |
|                            | ON Voltage Drop            | 1.5 V @ 1 Amp  |
|                            | Maximum Switching Current  | 0.5A   |
|                            | Electromagnetic Shield     | 2 pF between contact and shield                          |
|                            | Dielectric Strength        | 250V between contacts, 1500V between contacts and shield |
|                            | OFF to ON Response         | ≤1ms (typical)   |
|                            | ON to OFF Response         | ≤1ms (typical)   |
|                            | Status Indicators          | Red LEDs   |
| Commons                    | 1                          |  |
| Base Power Required (3.3V) | 25mA                       |  |

Conformal Coated



**UTIO-4ACI4RLO2**

| Pinout Information |                         |
|--------------------|-------------------------|
| Pin No.            | UTIO-4ACI4RLO2          |
| 1                  | Input(1)                |
| 2                  | Input(2)                |
| 3                  | Input(3)                |
| 4                  | Input(4)                |
| 5                  | Customer_COM (GND)      |
| 6                  | Output(1)_Normally open |
| 7                  | Output(2)_Normally open |
| 8                  | Output(3)_Normally open |
| 9                  | Output(4)_Normally open |
| 10                 | Customer_COM (GND)      |
| 11                 | Not Connected           |

**Terminal Block  
300 Volt/10  
Amp/14AWG UL  
Rating**

