

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

Module Specifications			
Input Voltage Range		Module Specifications	
AC Frequency 47-63 Hz Peak Voltage 500 Volt Input Current 0.5mA @ 230 VAC Maximum Input Current 180 VAC OFF Voltage Level 120 VAC OFF to ON Response < 10ms ON to OFF Response < 10ms ON to OFF Response 1 Common Fuse No fuse 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 20-260 VAC Output Type Relay 1 Form A (SPST) Output Terminals Consumed Peak Voltage 400 VDC/260 VAC AC Frequency 47-63 Hz Maximum Current (resist.) 1A/point Maximum Leakage Current 0.5mA @ 260 VAC ON Voltage Drop 1.5 V @ 1 Amp Maximum Switching Current Electromagnetic Shield 2 pF between contact and shield OFF to ON Response ≤1ms (typical) Status Indicators Red LEDs Commons 1		Number of Inputs	4
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 Red LED for each input Commons 1. Common Fuse No fuse 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 Output Voltage Range 5-400 VDC or 20-260 VAC Output Type Relay 1 Form A (SPST) Output Terminals 5 Consumed Peak Voltage 400 VDC/260 VAC AC Frequency 47-63 Hz Maximum Current (resist.) 1A/point Maximum Leakage Current 0.5mA @ 260 VAC ON Voltage Drop 1.5 V @ 1 Amp Maximum Switching Current 250 Veltween contact and shield OFF to ON Response <1ms (typical) Status Indicators Red LEDs Commons 1		Input Voltage Range	180-260 VAC
Input Current Maximum Input Current Input Impedance ON Voltage Level OFF Voltage Level OFF to ON Response ON to OFF Response Status Indicators Commons Fuse Base Power Required (3.3V) Optical Isolation Wires Number of Outputs Output Voltage Range Output Type Output Type Relay Output Specs Relay Output Strength Dielectric Strength OFF to ON Response Status Indicators OSMA @ 230 VAC AC MOK Minimum OSMA @ 260 VAC AC Frequency AT-63 Hz Maximum Current (resist.) AC Frequency AC Fr		AC Frequency	47-63 Hz
AC Input Impedance 400K minimum ON Voltage Level 120 VAC OFF Voltage Level 120 VAC OFF to ON Response < 10ms ON to OFF Response < 10ms ON to OFF Response 10ms Status Indicators 1 Common Fuse No fuse 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 5 Consumed 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 2 pF between contact and shield OFF to ON Response 1ms (typical) Status Indicators Red LEDs Commons 1		Peak Voltage	500 Volt
Input Impedance		Input Current	0.5mA @ 230 VAC
AC Input Specs ON Voltage Level OFF Voltage Level OFF to ON Response ON to OFF Response I Common Fuse Base Power Required (3.3V) Optical Isolation Vires Number of Outputs Output Voltage Range Output Type Output Type Peak Voltage AC Frequency AC Frequency Maximum Current (resist.) Maximum Leakage Current Dielectric Strength ON to OFF Response Status Indicators 1 Common Red LED for each input 1 Common Fuse No fuse Base Power Required (3.3V) 10mA for all 4 on 2500 Volt 4 on Optical Isolation Vires Number of Outputs 4 Output Voltage Range 5-400 VDC or 20-260 VAC Output Type Relay 1 Form A (SPST) Output Terminals Consumed Peak Voltage 400 VDC/260 VAC AC Frequency 47-63 Hz Maximum Current (resist.) 1A/point Maximum Switching Current Discovery Current Dielectric Strength Status Indicators Red LEDs Commons 1		Maximum Input Current	0.6mA @ 260 VAC
OFF Voltage Level 120 VAC		Input Impedance	400K minimum
Specs OFF to ON Response < 10ms		ON Voltage Level	180 VAC
Specs OFF to ON Response ON to OFF Response Status Indicators Red LED for each input Commons 1 Common Fuse Base Power Required (3.3V) 10mA for all 4 on Optical Isolation Vires Number of Outputs Output Voltage Range Output Terminals Consumed Peak Voltage AC Frequency Maximum Current (resist.) Maximum Leakage Current ON Voltage Drop Maximum Switching Current Electromagnetic Shield OFF to ON Response Commons Status Indicators Commons Commons Commons		OFF Voltage Level	120 VAC
Status Indicators Red LED for each input		OFF to ON Response	< 10ms
Status Indicators Input		ON to OFF Response	< 10ms
Fuse Base Power Required (3.3V) Optical Isolation Vires 1 of 14 AWG, 2 of 18 AWG, 4 of 22 AWG Number of Outputs Output Voltage Range Output Type Relay 1 Form A (SPST) Output Terminals Consumed Peak Voltage AC Frequency Maximum Current (resist.) Maximum Leakage Current ON Voltage Drop Maximum Switching Current Electromagnetic Shield OFF to ON Response ON to OFF Response Commons Peak Long Status Indicators Commons No fuse 1 on A on Amy Output AWG, 2 of 18 AWG, 4 of 22 AWG AWG, 4 of 22 AWG 4 ov DC OC OC COUTPUT OF TO THE AWG, 2 of 18 AWG, 4 of 22 AWG AWG, 4 of 22 AWG 1 of 14 AWG, 2 of 18 AWG, 4 of 22 AWG AWG, 4 of 22 AWG 4 ov DC OC OC COUTPUT OF TO THE AWG, 2 of 18 AWG, 4 of 22 AWG AWG, 4 of 22 AWG 4 ov DC OC OC COUTPUT AWG, 2 of 18 AWG, 4 of 22 AWG AWG, 4 of 22 AWG 4 ov DC OC OC OC CONTON AWG, 4 of 22 AWG AWG, 4 of 22 AWG 4 ov DC OC OC OC CONTON AWG, 4 of 22 AWG 4 ov DC OC OC OC CONTON AWG, 4 of 22 AWG AWG, 4 of 22 AWG AWG, 4 of 22 AWG 4 ov DC OC OC OC CONTON AWG, 4 of 22 AWG 4 ov DC OC OC OC CONTON AWG, 4 of 22 AWG AWG, 4 of 2		Status Indicators	
Base Power Required (3.3V) 10mA for all 4 on		Commons	1 Common
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, 1500V between contacts, 1500V between contacts, 1500V between contacts and shield ON to OFF Response ≤1ms (typical) Status Indicators Red LEDs Commons 1		Fuse	No fuse
Wires 1 of 14 AWG, 2 of 18 AWG, 4 of 22 AWG Number of Outputs 4		Base Power Required (3.3V)	10mA for all 4 on
Number of Outputs Number of Outputs 4		Optical Isolation	2500 Volt
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 and shield OFF to ON Response ≤1ms (typical) Status Indicators Red LEDs Commons 1		Wires	
Coutput Type 20-260 VAC Relay 1 Form A (SPST) Output Terminals Consumed 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 2 pF between contact and shield Electromagnetic Shield 2 pF between contact and shield Dielectric Strength 250V between contacts and shield OFF to ON Response ≤1ms (typical) ON to OFF Response ≤1ms (typical) Status Indicators Red LEDs Commons 1	Output	Number of Outputs	4
Couput Type (SPST) Output Terminals Consumed 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 2 pF between contact and shield Electromagnetic Shield 2 pF between contact and shield Dielectric Strength 250V between contacts and shield OFF to ON Response ≤1ms (typical) ON to OFF Response ≤1ms (typical) Status Indicators Red LEDs Commons 1		Output Voltage Range	5-400 VDC or 20-260 VAC
Consumed Peak Voltage 400 VDC/260 VAC		Output Type	Relay 1 Form A (SPST)
AC Frequency Maximum Current (resist.) Maximum Leakage Current ON Voltage Drop Maximum Switching Current Electromagnetic Shield Dielectric Strength OFF to ON Response ON to OFF Response Status Indicators Commons 1.5 V @ 1 Amp 0.5A 2 pF between contact and shield 250V between contacts and shield 250V between contacts and shield Coff to ON Response ≤1ms (typical) Status Indicators Red LEDs Commons 1		,	5
Relay Output Specs ON Voltage Drop Maximum Switching Current Electromagnetic Shield Dielectric Strength OFF to ON Response ON to OFF Response Status Indicators Commons 1.5 V @ 1 Amp 0.5A 2 pF between contact and shield 250V between contacts, 1500V between contacts and shield 250V between contacts and shield CFF to ON Response S1ms (typical) Status Indicators Red LEDs Commons 1		Peak Voltage	400 VDC/260 VAC
Relay Output Specs 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, 1500V between contacts and shield OFF to ON Response ≤1ms (typical) ON to OFF Response ≤1ms (typical) Status Indicators Red LEDs Commons 1		AC Frequency	47-63 Hz
Relay Output Specs ON Voltage Drop Maximum Switching Current Electromagnetic Shield Dielectric Strength OFF to ON Response ON to OFF Response Status Indicators Commons 1.5 V @ 1 Amp 0.5A 2 pF between contact and shield 250V between contacts, 1500V between contacts and shield 25ms (typical) Status Indicators Red LEDs Commons 1		Maximum Current (resist.)	1A/point
Output Specs 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, 1500V between contacts and shield OFF to ON Response ≤1ms (typical) ON to OFF Response ≤1ms (typical) Status Indicators Red LEDs Commons 1		Maximum Leakage Current	
Specs 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		ON Voltage Drop	1.5 V @ 1 Amp
and shield 250V between contacts, 1500V 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			0.5A
Dielectric Strength contacts, 1500V between contacts and shield OFF to ON Response ≤1ms (typical) ON to OFF Response ≤1ms (typical) Status Indicators Red LEDs Commons 1		Electromagnetic Shield	2 pF between contact and shield
ON to OFF Response ≤1ms (typical) Status Indicators Red LEDs Commons 1		Dielectric Strength	contacts, 1500V between contacts and
Status Indicators Red LEDs Commons 1		OFF to ON Response	≤1ms (typical)
Commons 1		ON to OFF Response	≤1ms (typical)
- Comments		Status Indicators	Red LEDs
Base Power Required (3.3V) 25mA		Commons	1
		Base Power Required (3.3V)	25mA

Conformal Coated



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

