

**Tough I/O™**  
Director 1050

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
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	
Relay Output Specs	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

