



INTRODUCTION:

Once the quote has been accepted, the request is referred to UL’s Conformity Assessment Services (CAS - Engineering) Department. In this department, the request is reviewed to develop a “Project Plan” for the formal engineering investigation. The Purpose of a “Project Plan” is to establish the scope (estimated sample, duration, test requirements, etc) of the formal investigation. The purpose of this “Product Information Form” is to:

1. Document the information provided during the Quote Request Activity
2. Request detailed technical information to allow for the generation of the “Project Plan”

Please provide any/all of the following items as appropriate to the request. Upon completion of the project planning stage, UL will provide a letter summarizing the findings and outlining the anticipated investigation. In this letter, additional information and/or samples may be requested. All provided information will be retained for use during the course of the formal investigation.

INSTRUCTIONS TO APPLICANT:

Complete the following form. If additional space is required, provide this information in the Appendixes, as appropriate, or in a separately attached document.

MANUFACTURER/ FACTORY INFORMATION

<input type="checkbox"/> Same as that currently recorded for File _____, Volume _____. No change to the Manufacturing Facility Information	<input type="checkbox"/> New or amended manufacturing facility. Please provide the following information associated with each (existing and new) manufacturing facility.	
Manufacturing Facility No. 1:		
<input type="checkbox"/> Same as Applicant	<input type="checkbox"/> Same as Listee	
COMPANY NAME:		
ADDRESS:		
NAME AND TITLE OF CONTACT:		
TELEPHONE:	FAX:	EMAIL:
Manufacturing Location Identification Code. This code is required when the same product can be made at multiple factories. A marking is required on the product that identifies the point of manufacture. This marking is known as the manufacturing location identification code. This code can take any format as long as the scheme to decipher the code is described in the UL file.		<input type="checkbox"/> - N/A <input type="checkbox"/> - ID Code:- _____

INFORMATION NEEDED:

1.	Brief description of the construction, functional nature and application of the control	<input type="checkbox"/> N/A	<input type="checkbox"/> _____
2.	Model Nomenclature System	<input type="checkbox"/> Single Model: Model No. _____	<input type="checkbox"/> Multiple Models (Series or Family); See Appendix A

<p>3.</p>	<p>Application (check all that apply):</p>	<ul style="list-style-type: none"> <input type="checkbox"/> - Temperature Control <input type="checkbox"/> - Pressure Control <input type="checkbox"/> - Electric range Thermostat <input type="checkbox"/> - Electric-baseboard Thermostat <input type="checkbox"/> - Drip type coffee maker temperature regulating thermostat – auto reset <input type="checkbox"/> - Drip type coffee maker temperature regulating thermostat – manual reset <input type="checkbox"/> - Electric cooktop/Hob controls (Infinite Switches) <input type="checkbox"/> - Commercial Cooking Appliance – Temperature Regulating Control – does not grease/oil involved with the cooking process <input type="checkbox"/> - Commercial Cooking Appliance – Temperature Regulating Control – grease/oil involved with the cooking process <input type="checkbox"/> - Commercial Cooking Appliance – Temperature Limiting Control <input type="checkbox"/> - Storage Tank Type Hot Water Heater Temperature Regulating Control <input type="checkbox"/> - Storage Tank Type Hot Water Heater Temperature Limiting Control (required to be a manual reset control) <input type="checkbox"/> - Fan /Heater Sequencer (Section 78 of UL873) <input type="checkbox"/> - Fluorescent Lamp Ballast Protector (Section 79 of UL873) <input type="checkbox"/> - Thermal Protector for Hazardous Loc. Enclosures (Section 80 of UL873) <input type="checkbox"/> - Thermal Protector for Light Fixture (Section 82 of UL873) <input type="checkbox"/> - Wall – Mounted Room Thermostat <input type="checkbox"/> - Other: _____ <input type="checkbox"/> - N/A
<p>4.</p>	<p>Functional Description: (check all that apply)</p>	<ul style="list-style-type: none"> <input type="checkbox"/> - Single Operation Device <input type="checkbox"/> - Automatic Reset <input type="checkbox"/> - Manual Reset – M1 action per UL873, Par 12.4 <input type="checkbox"/> - Manual Reset – M2 action per UL873, Par 12.4 <input type="checkbox"/> - Snap Action Mechanism <input type="checkbox"/> - Slow Make and Break/Creep Type Mechanism <input type="checkbox"/> - Adjustable Setpoint <input type="checkbox"/> - Fixed Setpoint <input type="checkbox"/> - Adjustable Thermostats to be used in applications with Marked “OFF” positions <input type="checkbox"/> - Skeleton style bimetal thermostat <input type="checkbox"/> - Disc style bimetal thermostat <input type="checkbox"/> - Bulb and capillary tube style thermostat <input type="checkbox"/> - Rod and Tube style thermostat – (typical construction of Cooktop Temperature Limiting Controls) <input type="checkbox"/> - Other: _____ <input type="checkbox"/> - N/A

5.	Switch Construction Description:	<input type="checkbox"/> - Single Pole Single Throw (SPST) – Normally Opened (Closes on temperature/pressure rise) <input type="checkbox"/> - Single Pole Single Throw (SPST) – Normally Closed (Opens on temperature/pressure rise) <input type="checkbox"/> - Single Pole Double Pole Throw (SPDT) – <input type="checkbox"/> - Double Pole Single Throw (DPST) – Normally Opened (Closes on temperature/pressure rise) – Controls a single load (2 pole switching) <input type="checkbox"/> - Double Pole Single Throw (DPST) – Normally Closed (Opens on temperature/pressure rise) – Controls a single load (2 pole switching) <input type="checkbox"/> - Double Pole Double Pole Throw (DPDT) – Controls a single load (2 pole switching) <input type="checkbox"/> - Double Pole Single Throw (DPST) – Normally Opened (Closes on temperature/pressure rise) – Controls two individual loads (1 pole switching) <input type="checkbox"/> - Double Pole Single Throw (DPST) – Normally Closed (Opens on temperature/pressure rise) – Controls two individual loads (1 pole switching) <input type="checkbox"/> - Double Pole Double Pole Throw (DPDT) – Controls two individual loads (1 pole switching) <input type="checkbox"/> - Other: _____ <input type="checkbox"/> - N/A		
6.	Electric Ratings and Load Type:	<input type="checkbox"/> - N/A	<input type="checkbox"/> - See Appendix B	<input type="checkbox"/> - See Attached document named: _____
7.	Temperature Ratings :	<input type="checkbox"/> - N/A	<input type="checkbox"/> - See Appendix C	<input type="checkbox"/> - See Attached document named: _____
8.	Anticipated Adjustment Knob Dimension (For adjustable controls only):	<input type="checkbox"/> - N/A <input type="checkbox"/> - The grip diameter or grip length, as applicable, is __ inches, or _ mm.		
9.	Bulb and capillary Tube Thermostats Information:	<input type="checkbox"/> - N/A <input type="checkbox"/> - Fill Material <input type="checkbox"/> - Maximum Internal Pressure <input type="checkbox"/> - Length of capillary tube/bulb exposed to the sensed ambient		
10.	Marking Information	<input type="checkbox"/> - N/A	<input type="checkbox"/> - See Appendix D	<input type="checkbox"/> - See Attached document named: _____
11.	Electronic Photos (Front, Back, Side)	<input type="checkbox"/> - N/A <input type="checkbox"/> - See Attached document named: _____		
12.	Wiring Diagram of a typical application	<input type="checkbox"/> - N/A <input type="checkbox"/> - See Attached document named: _____		
13.	Bill of Materials	<input type="checkbox"/> - N/A <input type="checkbox"/> - See Attached document named: _____		
14.	Drawings and description of contact assembly	<input type="checkbox"/> - N/A <input type="checkbox"/> - See Attached document named: _____		
15.	Identification of all polymeric materials:	<input type="checkbox"/> - N/A <input type="checkbox"/> - See Appendix E		

APPENDIX A

Model Nomenclature/Designation

When a model series is involved, please provide an explanation of the model nomenclature system with a description of the corresponding construction variations.

The following is an example of the suggested format:

Model Number	A	1	B	2
Suffix Field	I	II	III	IV

Where:

I – Basic Model Designation

II – Indicates _____

III – Indicates _____

IV – Indicates _____

Model Number				
Suffix Field	I	II	III	IV

Where:

I – Basic Model Designation

II – Indicates _____

III – Indicates _____

IV – Indicates _____

APPENDIX B

Electric Ratings and Load Type :

(Please complete the following information for each contact set)

Model No: _____

Contact Designation: _____ (either Normally Opened or Normally Closed or terminal designation associated with Contact Set).

Load Characteristics	Supply Voltage							
	___ Vdc	___ Vac, 50, Hz	___ Vac, 50, Hz	___ Vac, 50, Hz	___ Vac, 60, Hz	___ Vac, 60, Hz	___ Vac, 60, Hz	___ Vac, 60, Hz
Resistive, Amps								
General purpose, Amps								
Tungsten, Amps								
Fluorescent Ballast, Amps								
Pilot Duty, VA								
Motor, HP								
Motor, FLA								
Motor, LRA								
Number of Endurance test Cycles								

Guidelines for Endurance Test Cycle Declaration:

Types of devices	Minimum number of cycles of operation	
	With Current	Without Current
Safety controls and limiting controls, automatically-reset controls	100,000	-
Water-heater temperature regulating thermostats	30,000	-
Range controls	Varies	-
Manually operated switch (temperature-regulating controls)	6,000	-
Protective switches not normally required to make and break a circuit, such as manually reset safety controls, not including automatically-reset controls	1,000	5,000
Appliance Controls (as specified by the end-product standard)	6,000 30,000 100,000	- - -
Drip-type coffee temperature-regulating, automatically-reset controls	100,000	
Drip-type coffee temperature-regulating, manual-reset controls	100,000 (per UL1082, Par SA11.2.2)	
Household Cooktop temperature-regulating controls	100,000	
Commercial Cooking temperature regulating controls (application does not involve grease/oil in the cooking process)	30,000	
Commercial Cooking temperature regulating controls (application involves grease/oil in the cooking process)	100,000	

APPENDIX C

Temperature Ratings: (complete all that apply)

Model No.	T ambient, °C	Ts-p, °C	Tmax, °C	Tdry, °C	Treset, °C

Where:

T ambient = the maximum ambient temperature to which the thermostat’s switch body will be exposed (for devices that use sensing elements that are remote from the switch head ex: bulb and capillary tube thermostats).

T s-p = the temperature at which the thermostat switching contacts change state upon temperature rise (setpoint); P s-p = pressure at which the switching contacts change state upon pressure rise (setpoint).

The calibration of some thermostats (like bulb and capillary tube constructions) link the set-point temperature calibration performance with the ambient temperature to which the thermostat is exposed. If the setpoint temperature is ambient-sensitive, please provide a correlation table that tabulates setpoint effect with ambient temperature.

Tmax = the maximum temperature permitted on the thermostat’s sensing surface during normal operation of the coffee maker (for Drip type coffee maker use only).

Tdry = the maximum temperature permitted on the thermostat’s sensing surface during abnormal (dry) operation of the coffee maker (for Drip type coffee maker use only).

Treset = the temperature at which the thermostat switching contacts change state upon temperature fall.

APPENDIX D

Please provide a drawing or indication of all product markings, including date code and trademark or trade name if applicable:

Please attach the products' Marking here.

APPENDIX E

Identification of all polymeric materials according to the following table:

Example:

Non-metallic Parts

Part Name	Manufacture	Type	Material	File No	Remark
Enclosure	Chi Mei Corporation	PA-765A	ABS	E56070	

QMFZ2 Component - Plastics
 Friday, October 24, 2003
 E56070 (TPD)

CHI MEI CORPORATION
 59-1 SAN CHIA JEN TE TAINAN HSIEN TAIWAN

Material Designation: **PA-765A (+)**

Product Description: Acrylonitrile Butadiene Styrene (ABS), designated "Polylac" furnished as pellets.

Color	Min. Thick. mm	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str	IEC GWIT	IEC GWFI
ALL	1.5	V-1	-	-	85	80	85	-	-
	2.1	V-0, 5V-B	3	0	85	80	85	-	-
	2.5	5VA	-	0	85	80	85	-	-
	3.0	V-0	0	0	85	80	85	-	-

CTI: 0 IEC CTI: - HVTR: 0 D495: 7 IEC Ball Pressure (°C): -

Dielectric Strength (kV/mm): - Volume Resistivity (10⁸ ohm-cm): - Dimensional Stability (%): -

ISO Tensile Strength (MPa): - ISO Flexural Strength (MPa): - ISO Heat Deflection (°C): -

ISO Tensile Impact (kJ/m²): - ISO Izod Impact (kJ/m²): - ISO Charpy Impact (kJ/m²): -

(+) - Optional prefix or suffix may be used to denote 0-0.5% acid scavengers.

Report Date: 6/23/1983 Underwriters Laboratories Inc ?

Part Name	Manufacture	Type	Material	File No	Remark