





*Choose the specialist*



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[REDACTED]

May 15, 2012

Automatic Rotary Cold Glue Labeling System:  
**P.E. Model Universal 810/9T/2S-3L**

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## PROJECT SPECIFICATIONS:

### APPLICATION:

A P.E. Labelling System designed to apply "Cut & Stack" Paper Labels to Cylindrical containers utilizing "Cold Glue" technology. The system will be designed to apply Front, Neck (Stackable Station), and Foil, Future Back in a Single Labeling Station. The P.E. Universal can work with Label Lengths up to 180mm for greater flexibility plus maintain your need for precision labeling. The goal is a system with Foil capability for greater efficiency for your production.

### EQUIPMENT:

P.E. Model Universal "F" 810-9T-2S-3L Automatic Labeling System:

810: Diameter of the Rotary Carousel in millimeters  
9T: Number of Bottle Holding Plates –  
2S: Number of Labeling Stations x 2 w/one (1) Stackable  
3L: Number of Labels applied – Front – Neck – Foil  
3P: Three (3) Pallet System  
Pitch: 282.6mm

### BOTTLE SIZES:

#1: 12oz = TBDmm (Dia) x TBDmm (H)  
#2: 22oz = TBDmm (Dia) x TBDmm (H)  
#3: 750ml = TBDmm (Dia) x TBDmm (H)  
Min/Max Bottle Diameter = 50mm x 120mm

### LABEL SIZES:

# 1: 12oz Neck = 21mm (H) x 80mm (W) or .79" (H) x 3.15" (W)  
Front = 92mm (H) x 133.35mm (W) or 3.625" (H) x 5.518" (W)  
# 2: 22oz Front = 117.48mm(H) x 140mm (W) or 4.625"(H) x 5.5118"(W)  
# 3: 750ml Front = 92mm (H) x 139.98mm (W) or 3.625" (H) x 5.511" (W)  
Foil = TBDmm (H) x TBDmm (W)  
Min/Max Label Length: 40mm x 180mm, or 1.57" x 7.09"

### BOTTLE SPEEDS:

12oz: Run Speed 150 B/M w/Surge up to 190 B/M  
Foil will have a reduced speed of approximately 25 to 30%



**EQUIPMENT DESCRIPTION: Universal "F" 810-9T-2S-3L Rotary C.G. Labeling System, to include:**

- One (1) Set of Bottle Handling Change Parts for Bottle # 1
- One (1) Set of Label Handling Change Parts for Bottle # 1
- Two (2) Cold Glue Labeling Stations to include:
  - One (1) Labeling Station – Stackable Front & Neck
  - One (1) Labeling Station – Foil, or Future Back
  - Set of Label Magazines for Front, & Neck
  - Set of Aluminum Pallets for Front, & Neck
  - Set of Hook Drums (Gripper Cylinder) for Front & Neck
  - Wiping Components for Front, & Neck
  - Front & Back Station rotation via mechanical CAM in "Oil Bath" Lubrication.
  - Automatic Adjustment of Glue Film Layer
  - Automatic Hook Drum washing
  - Two (2) Glue Pumps with Heaters
- Schneider PLC with Schneider Touch Screen HMI mounted to Pivot Position
- Inverter for Carousel Drive
- Conveyor Motorization with Geared Motor and Inverter
- Stainless Steel Conveyor Body with Plastic Delron Chain and Stainless Steel "Drip Tray" – Specify Conveyor Width 3-1/4 or 4-1/2", and Conveyor Height?
- Heavy Duty Welded Base Frame with Stainless Steel Cladding for GMP
- Motorized Brush System for Foil Wiping
- Motorized Powered Belted System After Wipe for Body Label on Exit Conveyor
- **New** "Rounded" Base Frame for Superior Ergonomics for Operators and Maintenance
- **New** "Up & Down" Electrically Interlocked Safety Guarding – Superior accessibility, will need to check "Ceiling Height".
- Stainless Steel Electrical Cabinet incorporated into Main Frame
- Voltage per customer specification – specify 220/230 or 460/480
- Extended Jog Cord for Set-up and Maintenance
- Electric Carousel Head Height Adjustment with simple Platform Positioning
- Safety Stop for Feed Screw, Star Wheels, and Center Guide
- Automatic Line Flow Control via downstream bottle line sensors
- Single Feed Screw Drive with Bottle Stop Prior to In-Feed Screw
- Automatic Four (4) Speeds – Jog – Idle – Run – Surge
- Mechanical CAM Bottle Plate Rotation with "Oil Bath" Lubrication System
- Segmented CAM at Foil application for future Back
- Greasing Panel located on specific panel on the machine frame
- Mount Ink Jet Photo Sensor to upper Carousel – Customer to mount existing Ink Jet System and wire to our Sensor for Ink Jet Spray on the Bottle
- Factory Testing in Italy prior to shipment – includes Set-up Charts
- Crating for Ocean Transportation

System Purchase Price w/ Bottle # 1

Estimated Change Parts:

Bottle # 2:

- Feed Screw (1), Star Wheels (2), Center Guide
- Front Label = Magazine Extractable Pallets, Hook Drum, Wiping

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Bottle # 3

- Feed Screw (1), Star Wheels (2), Center Guide
- Front Label = Magazine Extractable Pallets, Hook Drum, Wiping
- Foil Label = Magazine, Extractable Pallets, Hook Drum, Wiping

█ [REDACTED]  
█ [REDACTED]  
█ [REDACTED]  
█ [REDACTED]

Total Cost of Change Parts

█ [REDACTED]

Delivery & Start-up & Training:

- Ocean Transportation then Trucking to final Destination (Extra 21 – 28 Days)
- Air Freight Transportation then Trucking to final Destination (Extra 7 – 10 Days)
- Four (4) Days Training by Factory Trained P.E. Technician (Travel & Living – **Included**)

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█ [REDACTED]  
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System Investment

█ [REDACTED]

Trade-in Value – Including, Crating & Pick-up & Freight to PE USA

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**Total System Investment**

█ [REDACTED]

# SCHNEIDER ELECTRONICS INFORMATION

## Product data sheet Characteristics

## TM258LF42DT compact base M258 - 42 I/O - 24 V DC - CANopen



### Main

Range of product	Modicon M258
Product or component type	Logic controller
Product specific application	-
Discrete I/O number	42
Discrete output number	12 for output 4 for fast output

### Complementary

Discrete input number	10 for fast input 12 for input 4 for regular input
Discrete input logic	Sink for fast input Sink for regular input Source for input
Discrete input voltage	24 V
Discrete input voltage type	DC
Voltage state 1 guaranteed	$\geq 15$ V for fast input $\geq 15$ V for fast output $\geq 15$ V for regular input
Current state 1 guaranteed	$\geq 2$ mA for fast input $\geq 2$ mA for fast output $\geq 2$ mA for regular input
Voltage state 0 guaranteed	$\leq 5$ V for fast input $\leq 5$ V for fast output $\leq 5$ V for regular input
Current state 0 guaranteed	$\leq 1.5$ mA for fast input $\leq 1.5$ mA for fast output $\leq 1.5$ mA for regular input
Discrete input current	4 mA for fast input 4 mA for regular input
Input impedance	6 kOhm for fast input 6 kOhm for regular input
Configurable filtering time	0 ms for fast input/regular input and fast output 1.5 ms for fast input/regular input and fast output 12 ms for fast input/regular input and fast output 4 ms for fast input/regular input and fast output
Anti bounce filtering	2 $\mu$ s...4 ms (configurable)/fast input/regular input and fast output
Cable length	$\leq 30$ m fast input $\leq 30$ m fast output $\leq 30$ m regular input
Isolation between channels and internal logic	500 Vrms AC
Isolation between channels	None
Discrete output logic	Source
Discrete output voltage	24 V DC
Output voltage limits	19.2...28.8 V
Discrete output current	4 mA for fast output
[Us] rated supply voltage	24 V DC for embedded expert modules power 24 V DC for I/O power segment 24 V DC for main supply

The information provided in this document contains general descriptions and/or technical characteristics of the products contained herein. This information is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Supply voltage limits	20.4...28.8 V
[In] rated current	0.04 A for embedded expert modules power 0.26 A for main supply 10 A for I/O power segment
Peak current	<= 100 kA during <= 70 s main supply <= 25 kA during <= 500 s I/O power segment <= 50 kA during <= 150 s embedded expert modules power 1.2 A during > 70 s main supply
Power consumption	<= 13.03 W
Execution time per instruction	Boolean: 22 ns
Memory description	Flash 128 MB Internal RAM 64 MB
Realtime clock	With user calibration realtime clock, drift: <= 6 s/month Without any user calibration realtime clock, drift: < 30 s/month at 25 °C
Data backed up	Variables of type retain and retain persistent CR2477M Renata, 1.5 years autonomy
Integrated connection type	1 CANopen male SUB-D 9, CANopen master 1 isolated serial link female RJ45, Ethernet Modbus TCP/IP slave (10BASE-T/100BASE-TX) 1 isolated serial link female RJ45, Modbus master/slave RTU/ASCII or character mode ASCII (RS232/RS485), 300...115200 bps 1 isolated serial link mini B USB, 480 Mbit/s 1 isolated serial link USB type A, 480 Mbit/s
Transmission rate	125 kbit/s for bus length of 500 m, CANopen 250 kbit/s for bus length of 250 m, CANopen 50 kbit/s for bus length of 1000 m, CANopen 500 kbit/s for bus length of 100 m, CANopen 10 kbit/s for bus length of 5000 m, CANopen 1000 kbit/s for bus length of 4 m, CANopen 20 kbit/s for bus length of 2500 m, CANopen 800 kbit/s for bus length of 25 m, CANopen
Counting input number	8 counting input(s)200 kHz
Local signaling	1 LED per channel for I/O state 1 LED for CAN0 STS 1 LED for MBS COM 1 LED green/red for APP0 1 LED green/red for APP1 1 LED green/red for Eth NS (Ethernet network status) 1 LED green/red for Eth ST (Ethernet status) 1 LED green/red for RUN/MS (module status) 1 LED green/red for USB host 1 LED green/yellow for Eth LA (Ethernet activity) 1 LED red for BATT (battery status)
Marking	CE
Mounting support	Symmetrical DIN rail
Width	175 mm
Height	99 mm
Depth	85 mm
Product weight	0.56 kg

## Environment

Standards	CSA 22-2 No 142 IEC 61131-2 UL 508 CSA 22-2 No 213
Product certifications	CSA C-Tick CULus GOST-R
Ambient air temperature for operation	0...50 °C vertical installation 0...55 °C without derating factorhorizontal installation 0...60 °C with derating factorhorizontal installation
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation
IP degree of protection	IP20 conforming to IEC 61131-2
Pollution degree	2 conforming to IEC 60664
Operating altitude	0...2000 m
Storage altitude	0...3000 m

## Product data sheet

### Characteristics

## HMIPWC5D0E01

Panel PC Optimum - Compact Flash - 10" - DC  
- Fanless



### Main

Range of product	Magelis iPC
Product or component type	PC panel
Terminal type	Touchscreen display
Processor name	Atom Z510 1.1 GHz
Chipset type	Intel US15W 400 MHz
Data storage equipment	Compact Flash card SSD 2 GB
Number of slots available for expansion	1 slot(s) for Compact Flash card
Display size	10.4 inch
Display type	Active matrix colour TFT LCD with LED backlight
Display resolution	800 x 600 pixels SVGA
Display colour	16 million colours

### Complementary

Luminance	450 cd/m <sup>2</sup>
View angle horizontal x vertical	160 x 120°
Touch panel	Analogue resistive
Memory type	RAM DDR2, 1 GB SRAM, 512 kB
Video controller type	Intel Graphics Media Accelerator (GMA) 500, 256 MB
Integrated connection type	2 Ethernet TCP/IP - 2 port(s) - RJ45 10BASE-T/100BASE-T/1000BASE-T USB 2.0 port 1 A maximum - 3 port(s) - USB type A - 480 Mbit/s COM1 serial link - 1 port(s) - male SUB-D 9 - RS232C - 115 kbauds
Operating system	Windows Embedded Standard WES2009 English Windows Embedded Standard WES2009 French Windows Embedded Standard WES2009 German Windows Embedded Standard WES2009 Italian Windows Embedded Standard WES2009 Spanish Windows Embedded Standard WES2009 Swedish Windows Embedded Standard WES2009 Chinese Windows Embedded Standard WES2009 Portuguese Windows Embedded Standard WES2009 Russian
Software package	Internet Explorer Vijeo Designer run time demo Vijeo Citect web client Adobe PDF and multimedia reader .NET Framework 3.5 Viewer Word/Excel/Power Point
[Us] rated supply voltage	24 V DC (power supply)
Supply voltage limits	18...30 V
[In] rated current	1.875 A
Inrush current	3 A
Power consumption	36 W
Front material	Aluminium alloy
Enclosure material	Treated steel
Display material	Polyethylene sheet
Fixing mode	By fixing kit on enclosure door By fixing kit on panel
Control type	ON/OFF pushbutton for equipment ON and OFF Pushbutton for reset
Local signalling	Multi-colour LED for power LED (yellow) for accessing CF system card (DISK)

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. neither Schneider Electric Industrie SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.



Width	323 mm
Height	260 mm
Depth	72 mm
Product weight	4.39 kg

### Environment

IP degree of protection	IP65 (front panel) conforming to EN/IEC 61131-2
Product certifications	CULus 508 CULus CSA 22-2 No 142 CULus HazLoc Class I Division 2 UL 1604 CULus HazLoc Class I Division 2 ANSI/ISA 12-12-01 CULus HazLoc Class I Division 2 CSA 22-2 No 213 GOST (certification pending) Marine GL Bridge with line filter HMIYLFIMAR11 CE C-Tick REACH RoHS
Pollution degree	2 conforming to EN/IEC 61131-2
Electromagnetic compatibility	Immunity to high frequency interference conforming to EN/IEC 61131-2 Immunity to high frequency interference conforming to EN/IEC 61000-4-x Immunity to electromagnetic emissions conforming to EN 55022 class A Immunity to electromagnetic emissions conforming to EN 55011 class A
Ambient air temperature for operation	0...50 °C, vertical installation conforming to EN/IEC 61131-2 0...50 °C, vertical installation conforming to UL 508
Ambient air temperature for storage	-20...60 °C conforming to IEC 60068-2-2 test Bb -20...60 °C conforming to IEC 60068-2-14 test Na
Relative humidity	10...85 % conforming to EN/IEC 60068-2-30 Db 10...85 % conforming to EN/IEC 60068-2-78
Operating altitude	2000 m conforming to EN/IEC 61131-2
Vibration resistance	1.75 mm (f = 2...9 Hz)continuous conforming to EN/IEC 60068-2-6 Fc 3.5 mm (f = 2...9 Hz)intermittently conforming to EN/IEC 60068-2-6 Fc 0.5 gn (f = 9...200 Hz)continuous conforming to EN/IEC 60068-2-6 Fc 1 gn (f = 9...200 Hz)intermittently conforming to EN/IEC 60068-2-6 Fc 1 mm (f = 3...13.2 Hz)continuous conforming to EN/IEC 60068-2-6 Fc 0.7 gn (f = 13.2...100 Hz)continuous conforming to EN/IEC 60068-2-6 Fc
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27, Ea tests

**TERMS AND CONDITIONS**

**ACCEPTANCE/CONTRACT FORMATION:**

- These terms and conditions (these "Terms") shall apply to any sale or delivery by P.E. USA, Inc. ("P.E.") of any goods or services to the customer, and any contract relating thereto. Offers or acceptances by the customer may be communicated in writing, including by email and/or facsimile. Any additional or conflicting term from those in these terms and conditions in an offer or acceptance by the customer is expressly objected to by P.E. and shall not be deemed accepted by P.E. or be part of any contract with P.E. unless P.E., in writing, specifically refers to such additional or conflicting term that P.E. accepts.
- Any proposal provided by P.E. together with these Terms is valid for ninety (90) days from the date on the front of the proposal. If the proposal is not accepted within ninety (90) days, P.E. reserves the right to cancel the proposal. If the proposal is accepted, PE will complete delivery no later than twelve (12) months after the acceptance date unless otherwise agreed to in writing by P.E. and the customer. Once accepted, the proposal may not be canceled by the customer.

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- [REDACTED]
- [REDACTED]
- [REDACTED]

**[REDACTED]**

- [REDACTED]

**[REDACTED]**

- [REDACTED]
- [REDACTED]
- [REDACTED]

**SAMPLES AND TECHNICAL INFORMATION:**

- A minimum quantity of product samples must be received within two weeks of order placement. Any delay in receiving the necessary samples could result in system shipment delay.
- All technical information such as voltage, conveyor height, machine flow direction, etc, must be supplied with the order.
- Signing the final layout drawing and sending back to P.E. within the first two weeks of order placement is required before our engineers will release the order to production.
- Large quantity samples for Factory Acceptance Testing must be shipped to P.E. Italy to arrive one month before labeler completion date. Shipping is the responsibility of the customer. P.E. can assist with the shipment for an additional charge of up to \$1500. Any delay in receiving the necessary samples could result in system shipment delay.





## MODEL UNIVERSAL 810 9T

STANDARD MACHINE PARAMETERS:	MIN	MAX
- label length:	20	180 mm
- label height:	30	200 mm
- container diameter:	50	180 mm
- container height:	125	355 mm
- closed conveyor box:	102 x 150 H mm	
- installed power:	4 KW	
- standard voltage:	400V (+/-10%) - 3F - N + PE	
- controls:	24 V dc	
- working pressure:	4 Bar	
- air consumption:	2 MC/H	
- pneumatic parts:	Norgren	
- motor:	ABB	
- reductor:	Bonfiglioli	
- automatic speed adjustment		
- head Ø:	810 mm	
- n° platforms:	9	
- machine pitch	282,7 mm	
- starwheels Ø:	360 mm	
- n° starwheel divisions	4	
- n° of pallets	3	

## **TECHNICAL SPECIFICATIONS**

### **MODEL UNIVERSAL**

#### **OPERATION**

A spacing screw and a loading starwheel at the entrance take over the containers arriving on the conveyor and transfer them to the central carousel. During the labeling operations a centering head locks them on the supporting plates. The label transfer system with fixed magazines is mechanically operated. Then the containers are transferred to the conveyor by means of a discharge starwheel.

#### **TECHNICAL SPECIFICATIONS**

The machine structure is in rod steel with protective priming and corrosion-proof paint coated with AISI 304. The machine height can be adjusted by means of four feet with an allowance of +/- 50 mm.

#### **BOTTLE CARROUSEL**

The containers are locked on the plates by means of centering heads controlled by a cam with automatic height adjustment up to 15 mm. The plates have independent rotation controls by means of sector gear and gear wheel. The cam driving the whole system is lubricated by means of a grease cartridge (average life 5/6 months). According to requirements, the machine can be equipped with centering plates with mechanical bottle ejection. A centralized keyed column provides for the alignment of plates carousel and jacks carousel. The height adjustment of the head for the different containers to be handled is carried out manually by means of a handwheel. Electrical head adjustment by means of geared motor with up/down controls on request and with additional cost.

#### **THE LABELLING STATION CONSISTS OF:**

- \* centralized group controlling the rotation of the labels transfer pallets;
- \* control group and label magazine;
- \* hook drum group for label pick-up and transfer;
- \* rubber cylinder for the distribution of the glue on the labels transfer pallets.

The whole is in oil bath. The adjustment of the labeling stations is carried out by means of crossed guides, allowing the tangential and axial displacement. An adjustment indicator allows the regulation of the glueing pressure as well as the positioning of the labels without stopping the machine.

#### **CENTRAL GROUP**

It includes a two-tracks cam, shafts and sector gears (tempered and rectified) with independent control for each label pallet. The movement of the pallets is partially rotary.

#### **MAGAZINE GROUP**

For label transfer the upper magazine chariot is moved forward by a synchronized electro pneumatic control "no bottle - no label". During regular operation, the chariot is always in the proper position for label transfer. The guides on the label magazine are in AISI 304 and can be adjusted independently. The label grippers are in precision cast stainless steel 304. Both label pushers are assembled on roller casings. Two spring-loaded pulleys assembled backward on the magazine allow the labels to be fed into the magazine during production. The magazine has a capacity of 6000/7000 labels.

#### **GRIPPERS UNIT**

The gripping cylinder takes the label from the glue pallets by means of grippers controlled mechanically by two closing/opening cams. The moving and rotating parts are assembled on bushes in corrosion-proof resins. The control levers and the grippers are in precision cast AISI 304. The label is applied onto the container by means of compound silicone rubber.

### **RUBBER CYLINDER**

A glue pump for continuous recycling provides for a steady glue flow in the rubber cylinder, produced in acid-proof rubber. The glue film on the glue pallets is done automatically according to the speed of the machine by an electro pneumatic control which adjusts the scraper of the rubber cylinder. The parts in contact with the glue are easily extractable for cleaning interventions without using tools.

### **BOTTLE TRANSFER**

Scroll, loading starwheel, central guide and unloading star are in wear-resistant plastic material. The central guide is provided with wearing stripes, which can be easily replaced. Lateral guides and conveyor guides are in plastic material.

### **SMOOTHING**

The smoothing includes brushes and/or rollers to be disassembled enbloc for size change-over interventions without using tools.

For special applications an additional smoothing station can be assembled on the conveyor.

### **TRANSMISSION AND MAIN CONTROL**

The transmission to all moving parts is given by gears in C40 steel alternated with Zellamid. Thanks to this choice, the noise and the lubrication are highly reduced. The central motorization is given by a reduction gear controlled by an electronic frequency converter "INVERTER".

### **SPEED ADJUSTMENT AND AUTOMATIC CONTROL**

The production speed of the machine is entirely automatic and can be changed according to the infeed flow and exit flow of the containers.

Besides, a stop device located at the machine infeed provides for a min. storage of bottles to be fed into the machine and acts as automatic safety stopping the machine in case of containers jam on the exit conveyor. This process is controlled by an electronic card piloting a frequency converter "inverter".

### **PNEUMATIC SYSTEM**

Service group incorporated in the machine with register, water filter and oil nozzle, ready to be connected to the existing network.

### **SAFETIES**

In case of anomalous operation the emergency stops are located on: spacing screw, loading/unloading stars, safety guards and emergency button.

### **ELECTRIC SYSTEM**

The machine complies with EC standards and can be connected to the mains. Voltage according to Customer's requirements. Control current 24/48 Volt. Separate tight electric board. Electric controls guaranteeing a perfect general operation of the machine. Besides, the machine is always provided with: electronic display of the production speed/hour, synoptic panel with emergency display, manual operation system for the machine adjustments, automatic system for production start. If required, at extra charge, a 180° revolving control board with control signals concerning the machine operation can be supplied.

### **SERVICING**

Points to be greased by hand with grouped nipples. Materials requiring low maintenance are used such as self-lubricating moving parts or tight roller bearings. Periodic control of oil level in labelling units, spacing screw, and in the main carousel. Cartridge for automatic greasing of the toothed gearing, to be replaced every 5/6 months.

The company P.E. reserves itself the right to perform technical modifications to what above described.

**Domestic Service Charge Policy**

Technical service personnel are available to provide assistance relating to the installation, maintenance, modification and repair of all P.E U.S.A products. Assistance may be obtained by contacting P.E. U.S.A. Charges for technical service personnel will vary according to the rate categories applicable for the time during which the travel and work was actually performed.

Category	Rate	Description
Standard Hourly Rate (normal work week)		The standard hourly rate applies to all time worked or traveled during an 8 hour period between the hours of 7:00 AM and 6:00 PM, Monday through Friday except for Holidays.
Overtime Rate		All time worked or traveled over 8 hours per day up to 16 hours per day, and those hours between 6:00 PM and 7:00 AM, Monday through Friday, except for Holidays, and those hours between 7:00 AM and 6:00 PM on Saturday will be considered the overtime rate period.
Premium Time Rate		The premium rate will be charged for all time worked or traveled over 16 hours, Saturday after 6:00 PM and all time Sunday, Holidays and Holiday weekends. (i.e. for Holidays on Monday, the Holiday weekend includes Friday and Saturday)
Minimum Rate Charge		A minimum charge for field service will be made for each day the person is required. This rate includes travel time.
Standby Rate		Standby time, waiting or on call at the jobsite, is considered service time and will be charged at the applicable rate for the time during which the service was provided.
Holdover Rate		The holdover rate applies to that time a person is held in the jobsite area in lieu of the expense of returning home and implies no standby or service rendered. All holdover arrangements must have factory approval, and it is expected that the person be returned home every second weekend.
Travel Rate		All travel time to the jobsite and returning to the person's home or office will be charged at the same rates as used for standard time, including overtime and premium time. Consecutive work and travel time is considered for overtime and premium time rates
Travel Expenses		All expenses incurred to and from the jobsite and those required on the jobsite will be charged at actual cost. Travel by company or personal automobile will be charged at \$ 0.50 per mile
Living Expenses		All costs for Lodging will be charged at actual cost.
Meal Expenses		All meals are charged per day
Miscellaneous Expenses		Misc. expenses will be charged at actual cost and include, but are not limited to the following: tolls, tips, purchases items necessary to complete the job, tool and equipment rental.
Contract start-up		Travel time is considered for overtime and premium time rates on Saturday and Sunday. Delays will count as time worked.

**Note:**

1. Domestic Rates apply only to the United States, U.S. territories and Canada.
2. All time rates do NOT include expenses.
3. This service is provided with no warranties either expressed or implied. The company agrees only to provide a competent technician, familiar with the company's equipment, with no guarantee to correct the defect or solve the problem. No liability for any accident, consequential damage or loss whatsoever is implied with this service.
4. These rates and policies described are subject to change at P.E. U.S.A.'s option and without prior notice.
5. Contact P.E U.S.A for the current approved Holidays.

All Service Rates Are Subject To Change Without Notice.

Receipt of copy of Policy prior to start of work is hereby acknowledged.

Fax and/or Email copy of Purchase order to address above.

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