PEPL PRODUCT GUIDE

SECURITY SYSTEMS
POWER SUPPLY
LED DISPLAYS
SOLUTION FOR TEMPERATURE
PROCESS CONTROL INSTRUMENTATION
Pyrotech's Counter & Temp. Transmitters

Head Mounted Transmitter 48(D)x32(H)mm
- Input : RTD.
- Output : 4-20 mA DC.
- No. of outputs : Single.
- Supply : 13-36V DC.
- Mounted on RTD, head.
- Accuracy : ± 0.25%

2 Wire Temp - Max Transmitter 222(W)x146(H)x55(D)mm
- No. of channels : 2, 4, 6.
- Output : 4-20 mA DC.
- Display : 7 segment LCD, 3½ digit.
- Supply : 13-36V DC.

4 Wire Temp - Max Transmitter 304(W)x232(H)x99(D)mm
- No. of channels : 2+1(spare), 4+1, 6+1.
- Output : 4-20 mA DC.
- Display : 7 segment LED, 3½ digit.
- Single push button for different channels.

Dinrail Mounted Transmitter (24V DC) 70(W)x45(H)x112(D)mm
- Output : 4-20 mA DC.
- No. of outputs : Single.
- Supply : 13-36V DC.
- Mounting : Dinrail.

Counters

Counter 96(W)x48(H)x108(D)mm
- Input : Pulses from proximity (0-9999)
- Display : 4 Digit 0.56” Seven Segment, 4 Digit 0.28” Seven Segment.
- Output : 2 Relay contact[1 NO/NC Each Setpoint]
- Power Supply : 90-270V [SMPS] +24VDC, +48VDC [Any one]

Tachometer/Length Counter 96(W)x48(H)x115(D)mm
- Input : pulse.
- Output : 2 set points programmable.
- Display : RPM, RPS, length.
- Supply : 230/110V AC.
- Sensor supply : +12V DC for proxy.

Digital Counter with storage 96(W)x48(H)x115(D)mm
- Input : Relay/limit switch/proxy/voltage pulse.
- Display : 7 segment, 5 digits, 0.5” height.
- Supply : 230/110V AC.
- Count mode : Up-down.

Universal Input 2 Wire Transmitter (Yoke) 104(W)x133(H)x150(D)mm
- Input : Universal.
- Output : 4-20/20-4 mA.
- Supply : 13-36V DC.
- Accuracy : ± 0.15% of span.
- Protection : IP-65.

Universal Input 2 Wire Transmitter (Dinrail) 75(W)x70(H)x110(D)mm
- Input : Universal.
- Output : 4-20/20-4 mA.
- Supply : 13-36V DC.
- Accuracy : ± 0.15% of span.
- LCD disp.

Temp Transmitter (HART) Head Mounted / Dinrail / 2” Pipe Mounted (Micron-HH, Micron-HD & Micron HY)
- Load : max. [V, -7.5]/0.0208 A
- Linearisation : Temperature linear, resistance linear, voltage linear.
- Response time : 1s.
- Power supply : 12 V to 45 VDC.
- Operating Temp. : -10 to 80°C
Pyrotech’s Digital Indicator/Sequence Timer

Mini 4 ½ Digit Indicator
48(W)x24(H)x62(D)mm
- Input: 0-20mA, 4-20mA, 0-10V, 1-10V, 0-5V, 1-5V, 0-40mV
- Range: -19999 to +19999
- Display: 4 ½ digit, 0.3”, Seven Segment
- Input accuracy: ±0.10% of span ±1digit
- Communication: RS485 Modbus Protocol (optional)
- Power Supply: 24VDC, 24/48V DC.

Digital Indicator
96(W)x48(H)x115(D)mm
- Display: 7 segment, 3½ digit, 0.5”/0.8”/1” height.
- Supply: 110/230V AC, 24/48V DC.
- Accuracy: ±0.25% of span, ±1LSD (depending on input.)

Large Display Indicator (2’ Size)
288(W)x144(H)x120(D)mm
- Display: 7 segment LED, 3½/4½ digit, 2” height.
- Supply: 110/230V AC.
- Accuracy: ±0.1% of span, ±1LSD.

Bag Counter (MODEL DC-01)
- No of digit: 4
- Control action: 1 NO/NC relay contact for each setpoint.
- Scaling factor: 0-9999.
- Filter time: Programmable through keyboard.
- Scan factor: Selection through keyboard.

Sequence Timer
(µC Based)
264(W)x186(H)x96(D)mm
- Upto 24 number of channels.
- Relay output for individual channel.
- Selectable ON time, OFF time & cycle time duration.
- IP-55 protection class.
- Application: Cement plant

PID Controller (48x96x108)
- Input: Universal Input.
- Output: 0-12 VDC SSR/Relay/mA
- Accuracy: ±0.1%
- Retransmission output: 4-20 mA/1-5 VDC.
- Auxiliary 24 VDC Power Supply for Transmitter (Not in RTD input)
Supply: 90-270 VAC/VDC
+24/+48 VDC (Optional)

PID Controller (96x96x108) (Modbus)
- Input: Universal Input.
- Output: 0-12 VDC SSR/Relay/mA
- Accuracy: ±0.1%
- Retransmission output: 4-20mA/1-5 VDC.
- Auxiliary 24 VDC Power Supply for Transmitter (Not in RTD input)
Supply: 90-270 VAC/VDC
+24/+48 VDC (Optional)

Hooter
96(W)x96(H) mm
- Potential Free Contact (NO)
- Output: 8w (PMPO)
- Sound type: Noram
- Supply: 110 VAC /230 VAC /24 VDC (Any One)
- Mounting: Panel
### Multi Function Power Transducer (MFTP)
70(H)x96(W)x71(D)mm
- Input max. voltage 550V (P-P), current max. 6A, two range 1/5A.
- 4 isolated analog o/p 4-20 mA [Opt].
- 4 isolated pulse o/p (Opt). 2 Pulse o/p and 2 analog o/p [Opt].
- Measures V, I, F, P, PF, Energy etc.
- Accuracy : ± 0.2%

### Transducer (Din Rail)
- Input : AC. Amp., AC volts, Frequency, Watt.
- Output: 4-20 mA [Single/Dual].
- Supply : 230/110 VAC.
- Accuracy : ± 0.5% of span. (± 0.2% optional)
- Load resistance : 500 ohms.

### KVA Transducer
- Input voltage (415/230/110VAC) Input Current (0-1/0-5 Amp).
- Output : 4-20 mA, 1-5 V DC.
- Supply : 230/110 VAC.
- Accuracy : ± 0.5% of span. (± 0.2% optional)
- Load resistance : 500 ohms.

### Tap Position Trans.
100(W)x70(H)x112(D)mm
- Input : 4 ranges. 50A - 1kA, 1kA - 5kA, 5kA - 8kA, 8kA - 40kA, i.e. tunable at site with 25 steps.
- Output 1 : 4-20 mA (for RTU).
- Output 2 : 4-20 mA (corresponding to tap position.)
- Supply : 48V DC/24V DC/SMPS[90-270]VAC/DC.
- PGCIL Approval.

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### Multi Function Meter (MFM)
96(W)x96(H)x71(D)mm
- Input max. voltage 550V (P-P), Current max.6A, two range 1/5A.
- Voltage and Current Harmonics up to 21' order.
- Wide LCD Display with white back Light.
- Measures V, I, F, P, PF, Energy etc.
- Accuracy: ± 0.2%
- Internal Data Logging [Optional]

### Multi Function Meter (MFM)
61.75(H)x93.75(W)x72(D)mm (Dinrail)
- Input max. voltage 550V (P-P).
- 4 isolated analog o/p 4-20 mA [Opt].
- 4 isolated pulse o/p (Opt). 2 Pulse o/p and 2 analog o/p [Opt].
- Measures V, I, F, P, PF, Energy etc.
- RS232/RS485 Communication.
- Accuracy : ± 0.2%

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### Sound Transmitter with sensor
- Also known as electronic ear.
- Input : Sound sensor 1mV or more.
- Supply : 24V DC, 2 wire loop powered 4-20 mA.
- Measuring frequency range 1-10 KHz.
- Signal level from sensor 1-500 mV.
- Application: Cement plant (ball mill), power plant.

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### Loop Powered Isolator
45(W)x75(H)x112(D)mm
- Input : 4-20 mA D.C.
- Does not require auxiliary power.
- Maximum voltage drop across isolator (V in) : 4.5 V.
- Galvanic isolation between Input and output.
- Mounting : Dinrail.

### Converter 4 wire type (Dinrail)
- Output : 4-20/0-20 mA, 0-5/ 0-10V DC.
- No. of outputs : Single/Dual.
- Optical & galvanic isolation.

### Signal Converter (Quad Output)
100(W)x70(H)x112(D)mm
- Input : mA.
- Output : 4-20 mA D.C.
- No. of outputs : Four.
- Accuracy : ± 0.25% of span.
- Supply : 110/230V AC.
- Optical & galvanic isolation.

### Bidirectional Isolator
RS485-RS232
45(W)x75(H)x112(D)mm
- Input : RS 232.
- Output : RS 485.
- Speed : 1200/2400/4800/9600/19200 bps.
- Supply : 110/230V AC, 24V DC.
- Optical & galvanic isolation.
Universal Scanner (8/16/24/32 Channel)

- Input: Universal
- Programmable alarm & trip set points for each channel
- O/P: 8 nos. relays, 4 Groups
- O/P: 4-20 mA (max 4 according to groups) [Opt.]
- Grouping of relays prog.
- LED Indication: Power on, Hold mode, Run mode & Program mode
- Scan time: 1 to 180 sec.
- Modbus Communication RS232/RS485

Alarm Annunciator (Window Based)

- Upto 8 Channels
- Upto 16 Channels
- Upto 32 Channels
- Potential free optically isolated NO/NC contact input or DC voltages
- Window colour in Red/Green/Amber
- Inbuilt watchdog timer circuit
- SMPS power supply
- Reset: Manual
- Mounting: Cast aluminium
- Rating: 16 amp. at 230/440V AC
- Field, Dust & Weather Proof

Relay Interface Cards for PLC

- Output: 2NO+2NC/1NO+1NC contacts
- Rating: 16 amp. at 230/440V AC
- Mounting: Cast aluminium, field, Dust & Weather Proof
- Reset: Auto

Heavy Duty Switch/ Limit Switch

- Output: 2NO+2NC/1NO+1NC contacts
- Rating: 16 amp. at 230/440V AC
- Mounting: Cast aluminium, field, Dust & Weather Proof
- Reset: Auto

Pull Cord Switch

- Output: 1NO/1NC contacts
- Rating: 16 amp. at 230/440V AC
- Mounting: Cast aluminium, field, Dust & Weather Proof
- Reset: Manual

Belt Sway Switch

- Output: 2NO+2NC/1NO+1NC contacts
- Rating: 16 amp. at 230/440V AC
- Mounting: Cast aluminium, field, Dust & Weather Proof
- Reset: Auto

Zero Speed Switch (DCA-17)

- Type: Non-contact
- Input: Proximity switch
- Output: 2 No. relay change over contact
- Start up time delay

Low Speed Switch (DCA-11)

- Output: 4-20 mA
- Window size: 28(H)x64(W)mm
- Potential free optically isolated NO/NC contact input or DC voltages
- Window colour in Red/Green/Amber
- SMPS power supply
- Reset: Auto

RTD, T/C Input Analog Interface Cards for PLC

- Analog Interface Cards for PLC

Analog Interface Cards for PLC

- Relay Interface Cards for PLC

Microprocessor based scanner with DPI switch for monitoring of 8/16/24/32 channel signals. It has an input of Universal, programmable alarm & trip set points for each channel, O/P: 8 nos. relays, 4 Groups, O/P: 4-20 mA (max 4 according to groups), Grouping of relays prog., LED Indication: Power on, Hold mode, Run mode & Program mode, Scan time: 1 to 180 sec., and Modbus Communication RS232/RS485.
### Pyrotech’s Power Supply

#### Model No.: PI-14-D-905W
- **Power:** 5W
- **Input Voltage:** 90-270VAC
- **Output Voltage:** 12VDC
- **Output Current:** 400mA
- **C:** 44(L)X23(W)X6(H)mm

#### Model No.: PI-14-D-312W
- **Power:** 12W
- **Input Voltage:** 90-270VAC
- **Output Voltage:** 12VDC
- **Output Current:** 1A
- **C:** 70(L)X38(W)X30(H)mm

#### Model No.: PI-14-D-524W
- **Power:** 24W
- **Input Voltage:** 90-270VAC
- **Output Voltage:** 12VDC
- **Output Current:** 2A
- **C:** 101(L)X53(W)X37(H)mm

#### Model No.: PI-14-D-760W
- **Power:** 60W
- **Input Voltage:** 90-270VAC
- **Output Voltage:** 12VDC
- **Output Current:** 5A
- **C:** 130(L)X98(W)X40(H)mm

#### Model No.: PI-14-D-10100W
- **Power:** 100W
- **Input Voltage:** 240VAC
- **Output Voltage:** 12VDC
- **Output Current:** 8.3A
- **C:** 159(L)X98(W)X41(H)mm

#### OVERSEAS MARKET

- **BANGLADESH**
- **SOUTH AFRICA**
- **GERMANY**
- **ITALY**
- **KOREA**
- **SPAIN**
- **SRIILANKA**
- **TUNISIA**
- **TURKEY**
- **SAUDI ARABIA**

**BIS Registration No R-84000027**

#### Model No.: PI-14-D-13150W
- **Power:** 150W
- **Input Voltage:** 240VAC
- **Output Voltage:** 12VDC
- **Output Current:** 12.5A
- **C:** 200(L)X98(W)X42(H)mm

#### Model No.: PI-14-D-31224W
- **Power:** 24W
- **Input Voltage:** 90-270VAC
- **Output Voltage:** 24VDC
- **Output Current:** 1A
- **C:** 101(L)X53(W)X37(H)mm

#### Model No.: PI-14-D-55024W
- **Power:** 50W
- **Input Voltage:** 90-270VAC
- **Output Voltage:** 24VDC
- **Output Current:** 2.1A
- **C:** 130(L)X98(W)X40(H)mm

#### Model No.: PI-14-D-710024W
- **Power:** 100W
- **Input Voltage:** 240VAC
- **Output Voltage:** 24VDC
- **Output Current:** 4.2A
- **C:** 159(L)X98(W)X41(H)mm

#### Model No.: PI-14-D-115024W
- **Power:** 150W
- **Input Voltage:** 240VAC
- **Output Voltage:** 24VDC
- **Output Current:** 6.25A
- **C:** 200(L)X98(W)X42(H)mm
CCTV Systems/LED Display

AHD Camera
- 1/1.3 MP HD IR Dome Camera
  - H.264, CMOS, Indoor
  - 24/48 PCS IR LED
  - Lens 3.6/6 mm optional
  - IR Range: 20/30/50 Mtr.

AHD Camera
- 1/1.3 MP HD IR Bullet Camera
  - H.264, CMOS Indoor/outdoor
  - 24/48 PCS IR LED
  - Lens 3.6/6 mm optional
  - IR Range: 20/30/50 Mtr.
  - IP 66 Weatherproof

Network Camera
- 1/1.3 MP HD IP Bullet Camera
  - H.264, CMOS Indoor/Outdoor
  - 24/48 PCS IR LED
  - Lens 3.6/6 mm optional
  - Onvif IP camera
  - IP 66 Weatherproof

Video Recorder
- AHD-DIGITAL VIDEO RECORDER
  - Available in 4, 8, 16, 32 ch
  - True real time video display
  - Powerful CMS support
  - RS-232, RS-485, RS-422, PTZ Support

Video Recorder
- NETWORK VIDEO RECORDER
  - Real-Time MPEG-4 / JPEG Compression
  - Static / Dynamic IP support
  - Remote PTZ control
  - Protocol: TCP/IP

EKRA Automatic Stencil Printer :
- Frame size min: 350x350mm.
- Frame size max: 740x740mm.
- Print format max: 460x460 mm.

FX2 High Speed Chip Placer :
- Placement Speed: 30000 CPH.
- Component: 0402[1005]-33.5mm.
- Placement accuracy: ±0.05mm.

KE2080L-Fine Pitch Placer :
- Placement Speed: 16700 CPH.
- Component: 0402-33.5mm.
- Placement accuracy: 0.03mm.

Reflow Oven :
- Forced convection reflow system.
- Low thermal gradients.
- 5 Heat zones + 2 Cooling Zones.

LED Single & Double Color Indoor/Outdoor Display
- Pixel Pitch: Indoor - P6, P7.62, P8, P10, P12mm,
  Outdoor: P10, P12, P14, P16, P20, P25mm etc.
- LED life time: > 50,000 hours.
- Flicker free, temporal distortion free.
- Variable font & font size.
- Weather proof cabinet.

LED Full Color Indoor/Outdoor Display
- Pixel Pitch: Indoor - P6, P7.62, P8, P10, P12mm,
  Outdoor: P10, P12, P14, P16, P20, P25mm etc.
- Input signal: RS-5, video, RGB, RGBHV, YUV, YC.
- LED life time: > 50,000 hours.
- Video graphics & animations.
- Automatic brightness control.
Our State-of-the-Art Facility

Manufacturing facilities:
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Chennai - 09024864483
Delhi - 09024075669
Kolkata - 09509868416
Mumbai - 09529611102
Patna - 09509545533
Rajasthan - 09351688501

LED Lightings (Executives):
Ahmedabad - 08766036863
Jamshedpur - 09509245558
Kolkata - 09024666135
Mumbai - 09509486666
Mumbai - 09022515588
Mumbai - 09022361115
M.P. - 09314632249
Rajasthan - 09509511015

Our Associates:
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Kolkata - 09339199881

Specifications are subject to change without prior notice.