

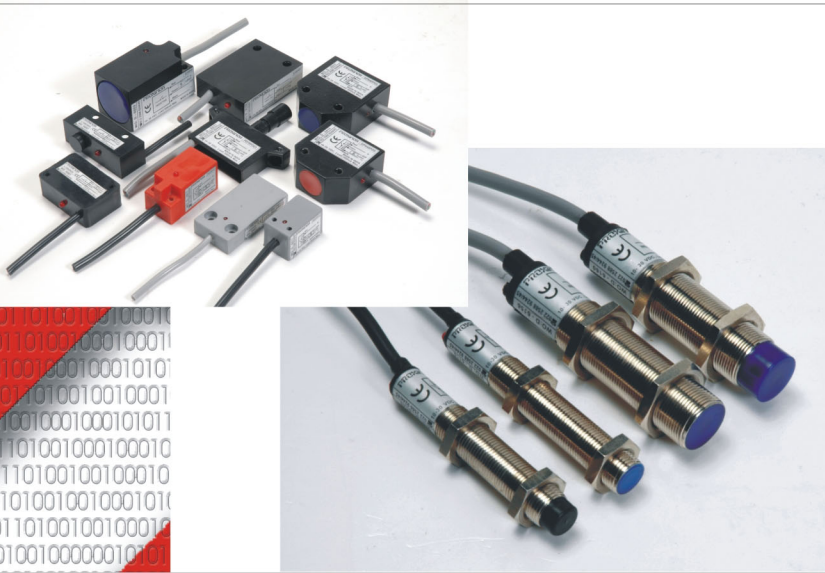


- INDUCTIVE PROXIMITY SENSORS
- PHOTOELECTRIC SENSORS
- CAPACITIVE PROXIMITY SENSORS
- PRINT MARK SENSORS
- PRINT MARK SENSORS WITH TEACH FUNCTION
- DIGITAL LOGIC CONTROLLERS
- SWITCH MODE POWER SUPPLIES
- LED DRIVERS
- PROGRAMMABLE COUNTERS
- COUNT CUM SPEED INDICATOR
- TOTALISER CUM RATE INDICATORS
- SPEED CONTROLLER
- OPTICAL SHAFT ENCODERS
- HOLLOW SHAFT ENCODERS
- ABSOLUTE ENCODERS
- TOTALISERS

**PROXIMON**  
*We Command and Control*







- Used for sensing metal objects
- Cylindrical M8 to M80
- Sensing distance 1 to 35 mm
- Block type, Slot type, Pentagonal & T type with front, top and side sensing
- 2 wire (10-60 VDC), 3 wire (10-30 VDC) Versions
- 2 wire (90-250 & 20-250 VAC) Versions
- More than 450 variants available

## INDUCTIVE PROXIMITY SENSORS

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- DBT - Diffused beam type (IR Proximity) 100 mm to 3 mtrs - Cylindrical / block type
- SBT - Straight beam type - Sensing range upto 15 mtrs
- SBTA - Straight Beam Type with built -in amplifier range upto 10 mtrs
- Slot Type Sensors with Slot gap 20mm, 50mm, 120mm, 220 mm
- Retro Reflective ( mirror reflective ) sensors up to 10 mtrs

## PHOTO ELECTRIC SENSORS

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- PMS - Print Mark Sensors - These are designed for sensing registration mark. It gives the signal on detecting the presence of registration mark on the moving packaging film
- Forward Controller - is used in packaging machine along with Print Mark Sensor to control clutch break mechanism
- Forward / Reverse Logic Controller - In most of the FFS (Form Fill Seal) machines, Forward Reverse Logic Controllers are used to keep correct pouch / bag length by driving correction motor (110 VAC, 4 wire) or (230 VAC, 3 wire)
- Digital F/R Controllers are with built in Production Counter & Speed Indicator makes these Controllers most cost Effective

## PRINT MARK SENSORS & LOGIC CONTROLLERS

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- Incremental Encoders (Shaft / Hollow Shaft) - it generates a signal for each incremental change position. Encoder diameter ranges from 30 to 120mm with push-pull / push-pull complementary / line driver (RS422) outputs are available
- Absolute shaft Encoders - it assigns a unique, digitally encoded signal to each individual measured increment. Single turn as well as multi-turn types are available

The typical applications are x/y Indication, AC Drive Feedback, Robotics, Ultrasonic Welding, Door Closing Devices etc.



## ENCODERS

HOHNER, ITALY

- PRICO (PRogrammable *i*ntelligent COunter)  
PRICO provides a very cost-effective and reliable solution to many complex counting requirements. What sets PRICO apart from the conventional counters, is its programmable multifunction facet.
  - 7 Digits Display - Preset counter, Batch counter, Totaliser
  - 5 Digits Display - Rate Indicator, RPM Indicator
  - Input - Proximity Sensor, Limit switch, Voltage Pulse
  - Count Frequency - up to 5 kHz
  - Set Points - 3 user programmable with 3 Relays
- Reset Counter
- Count cum speed Indicator
- Totaliser cum Rate Indicator
- Speed Controller



## COUNTERS AND INDICATORS

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- PROXIMON offers SMPS based LED Drivers to drive High Power LEDs. Today is world of Power LEDs in Lighting Industry due to its long life and energy saving parameters. These power LEDs need to drive on Constant Current for the best performance in terms of continuous operation with constant Lumens. Hence, constant current LED Drivers are BACK BONE of Power LEDs.
  - All protections are available like short circuit, over load, over temp etc.
  - Low No load voltage (within the range), thus making suitable to use multiple LEDs safely.
  - I/p & O/p are isolated.
  - Power device is of high rating, hence completely reliable (24h X 7days a week)
  - I/p & O/p capacitor are of higher capacity, hence low ripple and very good line & load regulation.
  - 100% Full load burn-in tested
  - Power Factor : 0.95
  - Water Proof



## LED DRIVERS

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| Model No    | I/P          | O/P          | Enclosure (H x W x D in mm) |
|-------------|--------------|--------------|-----------------------------|
| CA21P5X6B   | 180 - 270VAC | 5V / 6A      | 60 x 152 x 108              |
| CA21P5X10B  |              | 5V / 10A     | 60 x 152 x 108              |
| CA21P5X20B  |              | 5V / 20A     | 96 x 172 x 122              |
| CA21P5R3B   |              | 5-9V / 3A    | 60 x 152 x 108              |
| CA21P10R4B  |              | 10-15V / 4A  | 60 x 152 x 108              |
| CA21P6R5B   |              | 6-12V / 5A   | 60 x 152 x 108              |
| CA21P6R10B  |              | 6-12V / 10A  | 96 x 172 x 122              |
| CA21P6R20B  |              | 6-12V / 20A  | 96 x 172 x 122              |
| A21P12X0.8B |              | 12V / 800mA  | 32 x 55 x 40                |
| A21P12X3B   |              | 12V / 3A     | 38 x 45 x 125               |
| CA21P12X5B  |              | 12V / 5A     | 60 x 152 x 108              |
| CA21P12X10B |              | 12V / 10A    | 96 x 172 x 122              |
| CA21P12X15B |              | 12V / 15A    | 96 x 172 x 122              |
| CA21P12X20B |              | 12V / 20A    | 96 x 172 x 122              |
| CA21P18R5B  |              | 12-18V / 5A  | 60 x 152 x 108              |
| CA21P18R10B |              | 12-18V / 10A | 96 x 172 x 122              |
| CA21P18R15B |              | 12-18V / 15A | 96 x 172 x 122              |
| CA21P12R5B  |              | 12-24V / 5A  | 60 x 152 x 108              |
| CA21P12R10B |              | 12-24V / 10A | 96 x 172 x 122              |
| CA21P12R20B |              | 12-24V / 20A | 96 x 240 x 210              |
| A21P24X1B   |              | 24V / 1A     | 38 x 45 x 125               |
| CA21P24X02B |              | 24V / 2.5A   | 60 x 152 x 108              |
| CA21P24X5B  |              | 24V / 5A     | 60 x 152 x 108              |
| CA21P24X06B |              | 24V / 6.25A  | 65 x 172 x 116              |
| CA21P24X10B |              | 24V / 10A    | 96 x 172 x 122              |
| CA21P24X15B |              | 24V / 15A    | 96 x 172 x 122              |
| CA21P24X20B |              | 24V / 20A    | 96 x 240 x 210              |
| CA21P24X30B |              | 24V / 30A    | 96 x 240 x 210              |
| CA21P28X4B  |              | 28V / 4A     | 60 x 152 x 108              |
| CA21P28X10B |              | 28V / 10A    | 96 x 172 x 122              |
| CA21P48X5B  |              | 48V / 5A     | 96 x 172 x 122              |
| CA21P48X10B |              | 48V / 10A    | 96 x 240 x 210              |
| CA21P48X15B |              | 48V / 15A    | 96 x 240 x 210              |
| CA21P110X1B |              | 110V / 1A    | 96 x 172 x 122              |

| Model No       | I/P          | O/P         | Enclosure (H x W x D in mm) |
|----------------|--------------|-------------|-----------------------------|
| DINCA21P5X6B   | 180 - 270VAC | 5V / 6A     | 115 x 65 x 145              |
| DINCA21P10R4B  |              | 10-15V / 4A | 115 x 65 x 145              |
| DINCA21P12X5B  |              | 12V / 5A    | 115 x 65 x 145              |
| DINCA21P24X02B |              | 24V / 2.5A  | 115 x 65 x 145              |
| DINCA21P24X5B  |              | 24V / 5A    | 115 x 65 x 145              |

| Model No    | I/P    | O/P        | Enclosure (H x W x D in mm) |
|-------------|--------|------------|-----------------------------|
| D110E24X02B | 110VDC | 24V / 2.5A | 60 x 152 x 108              |
| D110E24X5B  | 110VDC | 24V / 5A   | 60 x 152 x 108              |

| Model No   | I/P         | O/P      | Enclosure (H x W x D in mm) |
|------------|-------------|----------|-----------------------------|
| CAU1P24X3B | 90 - 270VAC | 24V / 3A | 60 x 152 x 108              |
| CAU1P12X5B |             | 12V / 5A | 60 x 152 x 108              |

| Model No  | I/P          | Multiple output |             |             | Open PCB (H x W x D in mm) |
|-----------|--------------|-----------------|-------------|-------------|----------------------------|
|           |              | O/P1            | O/P2        | O/P3        |                            |
| 220367M10 | 180 - 270VAC | 5V / 1A         | +12V / 0.5A | -12V / 0.5A | 45 x 120 x 100             |
| 220367M20 | 180 - 270VAC | 12V / 0.5A      | 24V / 2A    |             | 45 x 130 x 85              |
| 220367M30 | 90 - 200VDC  | 12V / 0.8A      | -12V / 0.8A |             | 45 x 110 x 60              |
| 220367M40 | 90 - 200VDC  | 5V / 1A         | +12V / 0.5A | -12V / 0.5A | 45 x 120 x 100             |
| 220367M50 | 180 - 270VAC | 5V / 275mA      | 12V / 275mA |             | 25 x 75 x 35               |
| 220367M60 | 180 - 270VAC | 5V / 3A         | +12V / 1A   | -12V / 1A   | 60 x 152 x 108             |
| 220367M70 | 180 - 270VAC | 5V / 3A         | 12V / 1A    |             | 60 x 152 x 108             |
| 220367M80 | 180 - 270VAC | 5V / 0.5A       | 14V / 1A    |             | 45 x 110 x 60              |

| Model No  | I/P          | Multiple output |             |             | Enclosure (H x W x D in mm) |
|-----------|--------------|-----------------|-------------|-------------|-----------------------------|
|           |              | O/P1            | O/P2        | O/P3        |                             |
| 220367M90 | 180 - 270VAC | 5V / 2A         | +12V / 0.5A | -12V / 0.5A | 60 x 152 x 108              |

(Design & supply of Non-Standard customised requirement from OEMs is undertaken on priority)

## SWITCH MODE POWER SUPPLIES CE

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