

# KALYANI INDUSTRIES

(INDUSTRIAL ENGINEERING & SERVICES)



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## KALYANI INDUSTRIES

(INDUSTRIAL ENGINEERING & SERVICES)

Supply & Repairing of Industrial Electronic & Instrumentation Items

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# WE SUPPLY ALL TYPE OF INDUSTRIAL PRODUCT

## SENSOR

- Inductive Proximity Sensor
- Inductive Analog Proximity Sensor
- Photoelectric Sensor
- Reflector Sensor
- Through Beam Sensor
- Fiber Optic Sensor
- Color Mark Sensor / Contrast Sensor
- Label Sensor / Slot Sensor
- Motion Sensor / PIR Sensor
- Speed Sensor
- Encoder
- Light Guard / Area Sensor
- Capacitive Sensor
- Capacitive Hopper Level Sensor
- Magnetic Sensor
- Magnetic Float Level Sensor
- Magnetic / Reed Sensor for Pneumatic cylinders
- Magnetic Pickup Sensor
- Ultrasonic Sensor
- Temperature Sensor
- Flow Sensor
- Level Sensor
- Pressure Sensor
- Ph/ORP/TDS Sensor
- Conductivity Sensor
- Humidity Sensor
- Sound Sensor
- Air Velocity (Anemometer) Sensor
- Lux Sensor
- Tachometer
- LVDT Sensor
- Vibration Sensor
- Thickness Sensor
- Distance Sensor
- Tachogenerator



## RELAY / RELAY CARD

- Solid State Relay
- Proportional Solid State Relay
- Relay Card / Relay Module
- SSR Type Relay Module
- Relays (230V AC, 24V DC etc.)



## DRIVE & MOTOR

- Stepper Motor / Stepper Drive
- AC Motor / AC Drive
- DC Motor / DC Drive
- Servo Motor / Servo Drive
- Synchronous Motor
- Tachogenerator
- Tachometer



## TEMPERATURE

- Temperature Sensor (Contact Type)
- Temperature Sensor (Non-Contact Type)
- Temperature Transmitter
- Temperature Controller
- Temperature Gauges
- Temperature Switches
- Flame Proof Indicator



## PRESSURE

- Pressure Gauges
- Digital Pressure Gauges
- Pressure Switches
- Pressure Transmitter
- Digital Pressure Transmitter
- Differential Pressure Transmitter
- Pressure Indicator & Controller
- I To P Converter



## FLOW

- Flow Switches (SS/Plastic)
- Flow Meter & Transmitter
- Flow Totaliser & Transmitter
- Flow Indicator & Controller



## LEVEL

- Level Switches (SS / Plastic)
- Cable Float Level Switches
- Level Transmitter
- Magnetic Flow Level Switches
- Ultrasonic Level Transmitter
- Vibrating Fork Level Switch
- RF Admittance Level Switch
- Capacitance Level Transmitter
- Conductive Level Switch
- Level Controller (Analog)
- Level Controller Digital



## HUMIDITY

- Humidity Sensor
- Humidity Transmitter
- Humidity Indicator
- Humidity Controller
- Wall Mount LCD Type
- Humidity + Temperature
- Humidity & Temperature Controller



## HOUR METER

- Digital Hour meter
- Mechanical Hour Meter
- Digital Panel Meter



## PANEL ACCESSORIES

- Cooling Fan
- Fan Filter
- LED Lamp
- Push Button/Luminous
- Twin Push Button
- Selector Switch
- Emergency Stop Button
- Contact Element
- MCB / MCCB / ELCB / Contactor
- SMPS / Power Supply
- Solid State Relay
- Relays / Socket
- Relay Card
- Breaking Resistor
- Line Filter / Line Reactor
- Tower Light / Signal Indicator
- Revolving Light
- Joystic
- Hooter
- Potentiometer
- Signal Converter
- Current Transformer
- Cable Tray
- Panel Meter
- Fuses



- Plug & Socket
- Micro Switch
- Cable Glands
- Analogmeter
- Junction Box
- Panel Locks
- Annauncitor
- Limit Switch

## COUNTER

- Programmable Counter
- Event Counter
- Mechanical Counter
- Preset Counter
- LCD Counter
- Batch Counter

## TIMER

- Programmable Timer
- LCD Timer
- Cyclic Timer
- Preset Timer
- Analog Timer
- Weekly Timer

## RPM (SPEED CONTROLLER)

- RPM Controller
- RPM Sensor

## PNEUMATIC

- Filter, Regulator, Lubricator
- Solenoid Valve
- Mechanical Valve
- Push Fitting
- PU Plastic Pipe
- Silencer
- Quick Release Coupling
- Ball Valve
- Pneumatic Cylinder
- Magnetic Switch
- Vacuum Gauge
- Thermometer



- Vacuum Pad
- Pressure Gauge
- Flow Control Valve

**kietron**

Kalyani industries  
Sensing Technology  
Beyonds Limits....!!!

## BOX TYPE SENSOR



### Model No. & Sensing Range (mm)

APB-1726PO	APB-1726NO	APB-1836PO	APB-1836NO
(17 X 17 X 26 mm) (5 mm)	(17 X 17 X 26 mm) (5 mm)	(18 X 18 X 36 mm) (8 mm)	(18 X 18 X 36 mm) (8 mm)
APB-215PO	APB-215NO	APB-335PO	APB-335NO
(25 X 10 X 50 mm) (8 mm)	(25 X 10 X 50 mm) (8 mm)	(30 X 30 X 50 mm) (15 mm)	(30 X 30 X 50 mm) (15 mm)
APB-224PO	APB-224NO	APB-43PO	APB-43NO
(25 X 25 X 40 mm) (10 mm)	(25 X 25 X 40 mm) (10 mm)	(48 X 32 mm) (20 mm)	(48 X 32 mm) (20 mm)

APB-114PO

APB-114NO

APB-4410PO

APB-4410NO

### TECHNICAL SPECIFICATION

APB-311PO	APB-311NO	DC (3 WIRAEP)B-225PO	AC (2 WIRAEP)B-225NO
(30 X 18 X 10 mm) (5 mm)	(30 X 18 X 10 mm) (5 mm)	(25 X 25 X 50 mm) (10 mm) PNP NO, NPN NO, PNP NO + NC, NPN NO + NC	(25 X 25 X 50 mm) (10 mm) AC NO, AC NC
Supply		6-36 V DC	90-250 V AC
Rated Operational Current (mA)		DC - 300	AC - 400
Working Temperature (°C)		-25 - 70	-25 - 70
Repeated Positioning Accuracy		≤5 % Sn	≤5 % Sn
Switching Frequency (Hz)		DC - 300	AC - 20
Consumption Current (mA)		≤8, ≤10	≤8, ≤10
Voltage Drop (V)		≤3	≤3
LED Operation Indicate		Red	Red
Connection Type		2mtr. PVC Cable	2mtr. PVC Cable
Housing Material		ABS	ABS
Short-Circuit / Polarity Protection		YES	•
Protection Grade		IP67	IP67

# INDUCTIVE PROXIMITY SENSOR



## DC TYPE (3 WIRE)

### Model No. & Sensing Range (m)

AP-401PO (1 mm)	AP-401NO (1 mm)	AP-501PO (1 mm)	AP-501NO (1 mm)
M-6 AP-601PO (1 mm) M-12	M-6 AP-601NO (1 mm) M-12	M-8 AP-802PO (2 mm) M-18	M-8 AP-802NO (2 mm) M-18
AP-1204PO (N/F) - (4 mm) AP-1202PO (F) - (2 mm) M-30	AP-1204NO (N/F) - (4 mm) AP-1202NO (F) - (2 mm) M-30	AP-1808PO (N/F) - (8 mm) AP-1805PO (F) - (5 mm) M-50	AP-1808NO (N/F) - (8 mm) AP-1805NO (F) - (5 mm) M-50
AP-3015PO (N/F) - (15 mm) AP-3010PO (F) - (10 mm)	AP-3015NO (N/F) - (15 mm) AP-3010NO (F) - (10 mm)	AP-5025PO (N/F) - (25 mm) AP-5025PO (F) - (20 mm)	AP-5025NO (N/F) - (25 mm) AP-5025NO (F) - (20 mm)

## DC TYPE (2 WIRE)

### Model No. & Sensing Range (mm)

M-8 AP-DC-802NO (2 mm)	M-12 AP-DC-1204NO (4 mm)	M-18 AP-DC-1808NO (8 mm)	M-30 AP-DC-3015NO (15 mm)
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## AC TYPE (2 WIRE)

### Model No. & Sensing Range (mm)

M-8 AP-802CO (2 mm)	M-8 AP-802CC (2 mm)	M-12 AP-1204CO (N/F) - (4 mm) AP-1202CO (F) - (2 mm)	M-12 AP-1204NCC (N/F) - (4 mm) AP-1202CC (F) - (2 mm)
M-18 AP-1808CO (N/F) - (8 mm) AP-1805CO (F) - (5 mm)	M-18 AP-1808CC (N/F) - (8 mm) AP-1805CC (F) - (5 mm)	M-30 AP-3015CO (N/F) - (15 mm) AP-3010CO (F) - (10 mm)	M-30 AP-3015CC (N/F) - (15 mm) AP-3010CC (F) - (10 mm)

# INDUCTIVE SENSOR

## TECHNICAL SPECIFICATION

	DC (3 WIRE)	AC (2 WIRE)
Switch Logic	PNP NO, NPN NO, PNP NO + NC, NPN NO + NC	AC NO, AC NC
Supply	6-36 V DC	90-250 V AC
Rated Operational Current (mA)	DC - 300	AC - 400
Working Temperature (°C)	-25 - 70	-25 - 70
Repeated Positioning Accuracy	≤5 % Sn	≤5 % Sn
Switching Frequency (Hz)	DC - 2000	AC - 20
Consumption Current (mA)	≤8, ≤10	≤8, ≤10
Voltage Drop (V)	≤3	≤3
LED Operation Indicate	Red	Red
Connection Type	2mtr.PVC Cable	2mtr. PVC Cable
Housing Material	NICKLE PLATED BRASS / ABS PLASTIC	NICKLE PLATED BRASS / ABS PLASTIC
Short-Circuit	YES	•
Protection Grade	IP67	IP67

**NOTE :**

1. CONNECTOR TYPE SENSOR of M8, M12, M18, M30, M50 available.
2. Housing available : Brass (Nickel Plated) & Plastic.
3. Short length housings are also available.
4. Short circuit protection only in DC.
5. Connector cable available (Straight & Right angle).
6. Plastic housing sensors 17x17x26, 18x18x36, 25x10x50, 25x25x40, 30x30x50, 18x18x45, 18x18x26, 3 mm slot type, 10 mm slot type INDUCTIVE SENSORS are available.
7. Expert quality sensor available also in all size (with 3 years warranty)\*.
8. Cable :- • 3 Core x 7/38
  - Inner Diameter - 1.25mm
  - Core Diameter - 3.90mm
  - Number of strands - 7
  - Type of Material - PVC



**ROQUE**

## CAPACITIVE PROXIMITY SENSOR



### Model No. & Sensing Range (mm)

Model No. & Sensing Range (mm)			
AP-CA-1205PO	AP-CA-1205NO	AP-CA-1205CO	AP-CA-1205CC
AP-C(A5 -m18m0) 8PO	(5 mm)	(5 mm)	(5 mm)
AP-CA(1-01 8m0m8)P OPC	AP-CA-1808NO	AP-CA-1808CO	AP-CA-1808CC
	(10 mm)	(10 mm)	(10 mm)
AP-C(1A0- 3m0m1)5 CO	AP-CA-1808NONC	AP-CA-3015PO	AP-CA-3015NO
(15 mm)			

### TECHNICAL SPECIFICATION

	AP-CA-3015CC (15 mm)	AP-CA-3015POPC (15 mm)	AP-CA-3015NONC (15 mm)
	DC (3 WIRE) (15 mm)		AC (2 WIRE) (15 mm)
Overall Dimension (mm)	12 X 60 mm / 18 X 60 mm / 30 X 60 mm		12 X 60 mm / 18 X 60 mm / 30 X 60 mm
Switch Logic	PNP NO, NPN NO, PNP NO + NC, NPN NO + NC		AC NO, AC NC
Supply	10-30 V DC		90-250 V AC
Switching Frequency (Hz)	DC - 100		AC - 20
Rated Operational Current (mA)	DC - 300		AC - 400
Working Temperature (°C)	-25 - 70		-25 - 70
Repeated Positioning Accuracy	≤5 % Sn		≤5 % Sn
Consumption Current (mA)	≤20		≤20
Voltage Drop (V)	≤3		≤3
Sensitivity Adj.	Turn Trimport...		Turn Trimport...
LED Operation Indicate	Red		Red
Short-Circuit / Polarity Protection	YES		•
Connection Type	2mtr. PVC Cable		2mtr. PVC Cable
Housing Material	NICKLE PLATED BRASS / ABS		NICKLE PLATED BRASS / ABS
Material Active Face	ABS		ABS
Protection Grade	IP67		IP67

# ANALOG SENSOR



## Model No. & Sensing Range (mm)

AP-ANA-1808	AP-ANA-1808	AP-ANA-1808	AP-ANA-1808
(4 to 20 V-DC)	(10 to 0 V-DC)	(0 to 10 V-DC)	(10 to 0 V-DC)
AP-ANA-3015	AP-ANA-3015	AP-ANA-1204	AP-ANA-1204

## T E C H N I C A L S P E C I F I C A T I O N

Working Voltage	DC 12...30V
Voltage Limit	DC 10...48V
Switching Capacity	0~200mA Overload short circuit protec on
Voltage Drop Closed State	≤1.8 V
Leak Current Open Mode	≤3.5 mA
Current Consump-on	≤10 mA
Maximum Switching Frequency	6000 me / min The slow type
Hysteresis Curve Fr	5~15%of Fr
Power Transmission Delay	9s ± 20% + 1 / Fr
Connec on Mode	Preset 2 mtr. PVC Cable
Level of Protec on	1p 65
Ac on Area	(0 - 5 mm), (5 - 0 mm), (0 - 10 mm), (10 - 0 mm) (0 - 15 mm), (15 - 0 mm)
Working Temperature (°C)	-25 - 75
Ac on Instruc ons	LED

# PHOTO ELECTRIC SENSOR

## AUTOMATION

Sensing Technology Beyonds Limits...!!!



### Model No. & Sensing Range (mm)

AP-PS-05PO	AP-PS-06PO	AP-PS-08PO	AP-PS-05 / 06 / 08 - NO
(10MM), (50 mm)	(10 mm), (50 mm)	(10 mm), (50 mm)	(10 mm), (50 mm)
AP-PS-12PO	AP-PS-12NO	AP-PS-12CO	AP-PS-12CC
(300 mm)	(300 mm)	(300 mm)	(300 mm)
AP-PS-18PO	AP-PS-18NO	AP-PS-18CO	AP-PS-18CC
(300 mm), (500 mm), (700 mm)	(300 mm), (500 mm), (700 mm)	(300 mm)	(300 mm)

AP-PS-18POPC

AP-PS-18NONC

AP-PS-30PO

AP-PS-30NO

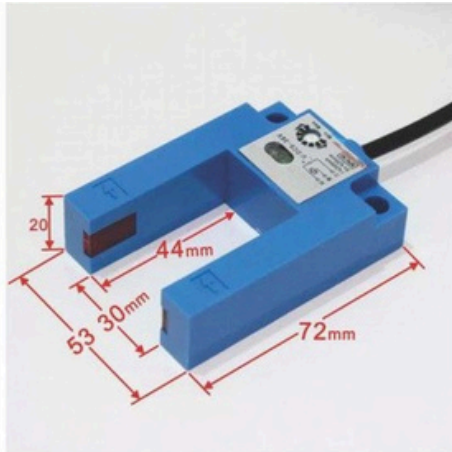
### TECHNICAL SPECIFICATION

AP-PS-30CO	AP-PS-30CC	DC (3 WIRE)	AP-PS-30POPC	AC (-2P WS-3IROEN) ONC
Overall Dimension (mm)	12 X 60 mm / 18 X 70 mm /	30 X 55 mm(1000 mm)	12 X 60 mm / 18 X 70 mm /	30 X (51050 m0 mm)
Switch( 110o0g0 imc m)	(1000 mm)			
Supply	PNP NO, NPN NO, PNP NO + NC, NPN NO + NC		AC NO, AC NC	
Output Current	10-30 V DC		90-250 V AC	
Working Temperature (°C)	<200mA		<400mA	
Working Environment Temperature	-25 - 55		-25 - 55	
	Sunlight Under 10000 LX, Incandescent Lamp Under 3000 LX		Sunlight Under 10000 LX, Incandescent Lamp Under 3000 LX	
Detec ng Object Response Time	15 mm		15 mm	
Hysteresis LED Opera on Indicate	<2.5ms		<30ms	
Sensi-vity Adj. Short-Circuit /	50% max. (at 100 mm)		20% max. (at 400 mm)	
Polarity Protec on Connec on	Red		Red	
Type Consump"on Current (mA)	Turn Trimport .		Turn Trimport ...	
Housing Material	YES			
Protec on Grade	2mtr.PVC Cable		2mtr. PVC Cable	
	5mA~30mA		5mA~30mA	
	NICKLE PLATED BRASS / PLASTIC		NICKLE PLATED BRASS / PLASTIC	
	IP67		IP67	

NOTE : Connector Type Photo Sensor M12, M18, M30 available.



# FORK/SLOT TYPE PHOTO SENSOR



## Model No. & Sensing Range (mm) Adj.

AP-FS-07-PO (7mm)	AP-FS-07-NO (7mm)	AP-FS-10-PO (10mm)	AP-FS-10-NO (10mm)
Dimension - 16 x 25 x 50 mm	Dimension - 16 x 25 x 50 mm	Dimension - 25 x 45 x 75 mm	Dimension - 25 x 45 x 75 mm
AP-FS-15-PO (15mm)	AP-FS-15-NO (15mm)	AP-FS-30-POPC (30mm)	AP-FS-30-NONC (30mm)
Dimension - 16 x 35 x 40 mm	Dimension - 16 x 35 x 40 mm	Dimension - 20 x 52 x 72 mm	Dimension - 20 x 52 x 72 mm

## TECHNICAL SPECIFICATION

Dimension - 15 x 55 x 70 mm	Dimension - 15 x 55 x 70 mm	Dimension - 20 x 82 x 70 mm	Dimension - 20 x 82 x 70 mm
Output	PNP NO, NPN NO		
Output Current	200 mA		
Supply	10-30 V DC / 90-250 V AC		
Switching Frequency (Hz)	DC - 300		
Rated Operational Current (mA)	DC - 200		
Working Temperature (°C)	-25 - 55		
Repeated Positioning Accuracy	≤5 % Sn		
Consumption Current (mA)	5mA~30mA		
DC / AC Response Time	DC:<2.5ms AC:<30ms		
Insulation Resistance	>200M V		
Working Environment Temperature	Sunlight Under 10000 LX, Incandescent Lamp Under 3000 LX		
Voltage Drop (V)	≤2.6		
LED Operational Indicate	Red		
Short-Circuit	YES		
Connection Type	2 mtr. PVC Cable		
Shell material	Metal / Plastic		
Protection Grade	IP67		



### Model No. & Sensing Range (mm)

AP-RS-6NONC (6mm)	AP-RS-10NONC (10mm)	AP-RS-12NONC (12mm)	AP-RS-15NONC (15mm)
	AP-RS-22NONC (22mm)	AP-RS-30NONC (30mm)	

### TECHNICAL SPECIFICATION

Output	NPN NO + NC
Output Current	200 mA
Supply	6-36 V DC
Switching Frequency (Hz)	DC - 300
Rated Operational Current (mA)	DC - 200
Working Temperature (°C)	-25 - 70
Repeated Positioning Accuracy	≤5 % Sn
Consumption Current (mA)	≤8
Voltage Drop (V)	≤2.6
LED Operation Indicate	Red
Short-Circuit	YES
Connection Type	2 mtr. PVC Cable
Shell material	ABS
Material Active Face	ABS
Protection Grade	IP67

# ANGULAR COLUMN INDUCTIVE PROXIMITY SENSOR



AP-ANG-POPC (20mm)	AP-ANG-NONC (20mm)	AP-ANG-DO (20mm)	AP-ANG-DC (20mm)
	AP-ANG-CO (20mm)	AP-ANG-CC (20mm)	

## TECHNICAL SPECIFICATION

	DC	AC
Overall Dimension (mm)	40 x 40 x 118 mm	40 X 40 X 118 mm
Output	PNP NO + NC, NPN NO + NC, DC NO, DC NC	AC NO, AC NC
Output Current	300 mA	400 mA
Supply	6-36 V DC	90-250 V AC
Switching Frequency (Hz)	DC - 300	AC - 20
Rated Operational Current (mA)	DC - 300	AC - 400
Working Temperature (°C)	-25 - 70	-25 - 70
Repeated Positioning Accuracy	≤5 % Sn	≤5 % Sn
Consumption Current (mA)	≤8	≤8
Voltage Drop (V)	≤2.6	≤2.6
LED Operational Indicate	Red	Red
Short-Circuit	YES	•
Connection Type	2 mtr. PVC Cable / Internal Wiring	2 mtr. PVC Cable / Internal Wiring
Shell material	ABS	ABS
Material Active Face	IP67	ABS
Protection Grade		IP67

## DIFFUSE SENSOR



### Model No. & Sensing Range (mtr.)

AP-DF-2MTR (2 mtr.)	AP-DF-IR-BM (15 mtr.)	AP-DF-18PO (1 - 5 mtr.)	AP-DF-18NO (1 - 5 mtr.)
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### TECHNICAL SPECIFICATION

	DC (3 WIRE)	AC (2 WIRE)
Overall Dimension (mm)	50 X 50 X 17 mm	50 X 50 X 17 mm
Output Contact	Relay, NO / NC	Relay
Supply	10-30 V DC	24-250 V AC
Rated Operational Current (mA)	DC - 300	AC - 400
Working Temperature (°C)	-25 - 70	-25 - 70
Consumption Current (mA)	300 mA max.	300 mA max.
Sensitivity Adj.	Trimport...	Trimport...
Voltage Drop (V)	≤3	≤3
LED Operational Indicate	Red	Red
Connection Type	2mtr.PVC Cable	2mtr. PVC Cable
Housing Material	ABS PLASTIC	ABS PLASTIC

## CONNECTOR CABLE WITH LED

AP-CC-RA



AP-CC-SA



# LASER (THROUGH) BEAM SENSOR



## Model No. & Sensing Range (mtr.)

AP-LS-12PO (7 mtr.)	AP-LS-12NO (7 mtr.)	AP-LS-18PO (10 mtr.)	AP-LS-18NO (10 mtr.)
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## TECHNICAL SPECIFICATION

Overall Dimension (mm)	12 X 55 mm, 18 X 16 mm
Supply	10-30 V DC
Working Temperature (°C)	-25 - 70
Consumption Current (mA)	200 mA max.
Detecting Object	Opaque Object 45mm min
Response Time	1.5 ms max.
Hysteresis	10% Max.
Light Source (Beam)	Red
Control Output	100 mA max.
Operation Mode	PNP NO, NPN NO
Noise Registers	1000 Vp: pulse width 1µs (Noise Simulator)
Working Environment Temperature	Sunlight Under 10000 LX, Incandescent Lamp Under 3000 LX
Voltage Drop (V)	≤3
LED Operation Indicate	Red
Connection Type	2mtr.PVC Cable
Housing Material	NICKLE PLATED BRASS
Shell material	Metal / Plastic
Protection Grade	IP67

NOTE : 1. Through beam sensor M12, M18 available (Sensing Range 1 mtr. to 20 mtr.) 2. Retro reflective sensor available as per requirement.

# COLOUR MARK SENSOR / MARK SENSOR



## Model No. & Sensing Range (mm)

AP-CL-DL (Adj.)	AP-CL-D (Adj.)	AP-CL-L (Adj.)
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## TECHNICAL SPECIFICATION

Light Source	Dark / Light
Cable	Four Wire
Output	NO / NC
Supply	12-30 V DC
Load Current	300mA
Indication	LED
Cable Length	2 mtr.






## TIMER / COUNTER

## ANNUNCIATOR

<b>A-121</b>  Programmable Timer	<b>A-122</b>  Preset Timer	<b>A-123</b>  Thumbwheel Timer	<b>A-124</b>  Analog Timer	<b>A-125</b>  Weekly Timer	<b>A-126</b>  Annunciator
<b>A-127</b>  Programmable Counter	<b>A-128</b>  Preset Counter	<b>A-129</b>  Event Counter	<b>A-130</b>  Batch Counter	<b>A-131</b>  Jumbo Display	<b>A-132</b>  Mechanical & Small Counters

## HOUR METER / PANEL METER

## SPEED CONTROLLER / RPM CONTROLLER / TACHOMETER

<b>A-133</b>  Mechanical Hour Meter	<b>A-134</b>  Digital Hour Meter 4x56	<b>A-135</b>  Hour Meter / Counter 36x72	<b>A-136</b>  Controller with Relay o/p	<b>A-137</b>  Indicator	<b>A-138</b>  Speed Sensors
<b>A-139</b>  Digital Panel Meter 48x96	<b>A-140</b>  Digital Panel Meter 72x72	<b>A-141</b>  Digital Panel Meter 96x96	<b>A-142</b>  Digital Panel Meter with relay o/p	<b>A-143</b>  Watt Meter	<b>A-144</b>  Power Factor/KW Meter Single / Three Phase
<b>A-145</b>  Protection Relay	<b>A-146</b>  Three Phase Volt/Current Meter	<b>A-147</b>  Volt + AMP + Frequency Meter	<b>A-148</b>  Energy Meter	<b>A-149</b>  Digital Frequency Relay	<b>A-150</b>  Engine Start Relay

## TEST & MEASURING INSTRUMENTS / MOTORS / PNEUMATIC FITTING TUBING & VALVE

<b>A-151</b>  Anemometer	<b>A-152</b>  Sound Meter	<b>A-153</b>  Laser Tester	<b>A-154</b>  Tachometer	<b>A-155</b>  Vibration Meter	<b>A-156</b>  Humidity Transmitter
<b>A-157</b>  PH Meter	<b>A-158</b>  PH / Conductivity Sensor	<b>A-159</b>  PH+TDS+Conductivity	<b>A-160</b>  PH Transmitter	<b>A-161</b>  ORP Meter	<b>A-162</b>  Conductivity Transmitter
<b>A-163</b>  AC-DC Motor 1/50 HP to 3HP	<b>A-164</b>  AC-DC INLINE MOTOR 1/50 HP to 3HP	<b>A-165</b>  AC-DC INLINE GEAR MOTOR RPM 10-5001/50 HP to 3HP	<b>A-166</b>  AC-DC WORM GEAR FOOT MOUNT RPM 10-5001/ 50 HP to 3HP	<b>A-167</b>  STEPPER MOTOR 3-300 KG/CM	<b>A-168</b>  STEPPER DRIVE
<b>A-169</b>  SYNCHRONOUS MOTOR	<b>A-170</b>  SYNCHRONOUS MOTOR	<b>A-171</b>  AC DRIVE	<b>A-172</b>  SPEED CONTROLLER	<b>A-173</b>  CABLE DRAG CHAIN	<b>A-174</b>  PLC
<b>A-175</b>  Fitting	<b>A-176</b>  Silencer	<b>A-177</b>  Pu tubing	<b>A-178</b>  Valve	<b>A-179</b>  Pneumatic Cylinder	<b>A-180</b>  FRL

# MAGNETIC PROXIMITY SENSOR

## AUTOMATION

Sensing Technology Beyonds Limits....!!!



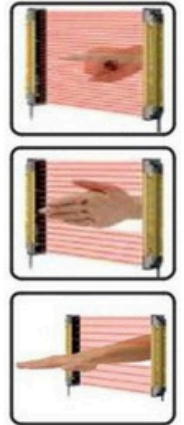
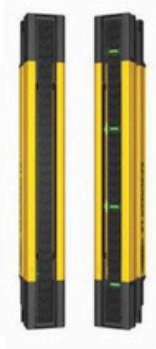
### Model No. & Sensing Range (mm)

AP-MG-12PO	AP-MG-12NO	AP-MG-18PO	AP-MG-18NO
AP-MG-12CO	AP-MG-12CC	AP-MG-18CO	AP-MG-18CC

### TECHNICAL SPECIFICATION

Overall Dimension (mm)	12 X 55 mm / 18 X 55 mm
Switch Logic	NO (Normal Open) Type
Mode of Inductive Switch	Magnetic Reed-pipe Having Contact Kind
Range of Applied Volt	5~220V DC/AC
Largest Switch Current	100 mA Maximum
Largest Contact Capacity	10 W Maximum
Internal Consumption Current	None
Internal Voltage-Drop	2.5 V Maximum@40mA DC
Leakage Current	None
LED Operation Indicate	Red
Cable Wire	2.6F, 2C Grey Oil-Proof PVC
Induction Sensitivity	60 gauss
Largest Switch Change Over	100 Hz
Working Temperature (°C)	10 ~ 70
Shock Proof	30G
Vibration Resistant	9G
IP Grade	IP67
Protect Circuit	None

# SAFETY LIGHT CURTAINS



MODEL NO	BEAM	PITCH	SENSING HEIGHT	TOTAL HEIGHT
AP-SLC-40-4	4	40 mm	120 mm	180 mm
AP-SLC-40-6	6	40 mm	200 mm	260 mm
AP-SLC-40-8	8	40 mm	280 mm	340 mm
AP-SLC-40-10	10	40 mm	360 mm	420 mm
AP-SLC-40-12	12	40 mm	440 mm	500 mm
AP-SLC-40-16	16	40 mm	600 mm	660 mm
AP-SLC-40-20	20	40 mm	760 mm	820 mm
AP-SLC-40-24	24	40 mm	920 mm	980 mm
AP-SLC-40-32	32	40 mm	1240 mm	1300 mm
AP-SLC-40-40	40	40 mm	1560 mm	1620 mm
AP-SLC-40-56	56	40 mm	2200 mm	2260 mm
AP-SLC-40-64	64	40 mm	2520 mm	2580 mm
AP-SLC-20-4	4	20 mm	60 mm	120 mm
AP-SLC-20-6	6	20 mm	100 mm	160 mm
AP-SLC-20-8	8	20 mm	140 mm	200 mm
AP-SLC-20-10	10	20 mm	180 mm	240 mm
AP-SLC-20-12	12	20 mm	220 mm	280 mm
AP-SLC-20-16	16	20 mm	300 mm	360 mm
AP-SLC-20-20	20	20 mm	180 mm	440 mm
AP-SLC-20-24	24	20 mm	460 mm	500 mm
AP-SLC-20-32	32	20 mm	630 mm	690 mm
AP-SLC-20-40	40	20 mm	780 mm	640 mm
AP-SLC-20-56	56	20 mm	1100 mm	1160 mm
AP-SLC-20-64	64	20 mm	1260 mm	1320 mm

SUPPLY	12-24VOLTS DC PNP OR
OUTPUT VOLTAGE	NPN, NO OR NC
LOAD CURRENT	300 MA
BODY	ALLUMINIUM
CABLE LENGTH	2 METER
SENSING DISTANCE	5 METER



