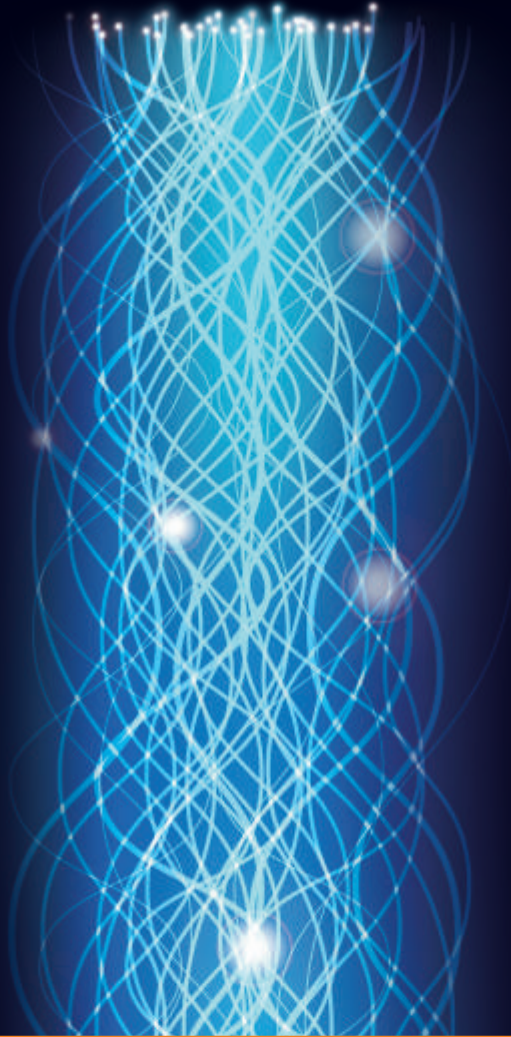


SENSING &
CONNECTING
PRECISELY



RECOS™
PROMISE FOR EXCELLENCE

WE SENSE. WE CONNECT.

RECOS SENSORS AND CONTROL PVT. LTD., has come a long way since its inception, the company has envisioned a success route that is based on ethics and superior quality accompanied by a zest of service that is seldom matched by their competitors.

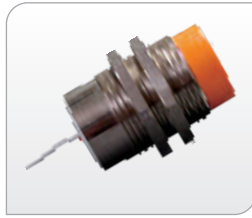
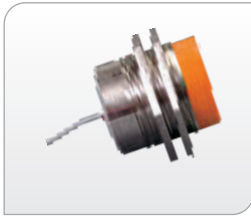
The company is providing qualitative technical solutions in sensors & Interface Devices. RECOS SENSORS AND CONTROL PVT. LTD. We are well equipped with a range of technical solutions given by our qualified technocrats, as well as comprehensive sales-service program.

The company aims to continue strengthening its technical capability with adhering to the needs of various industries; it is a sheer pleasure for the company to provide better products and better services to its valuable clients.

Promise for excellence! ...in other words, doing the ordinary things extra ordinary well.

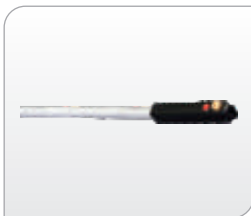
The Recos promise begins with the Technical quality of products. All the brands of the company go through every stage of the process, from Purchasing to installation; give support & service once the system is installed & starts functioning. This type of approach helps the company to give TOTAL SATISFACTION to its valued customer.

With all round support from installation to maintenance, the company ensures that every customer of ours finds peace of mind once he is the proud owner of our product.



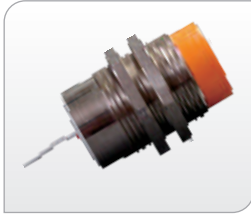
INDUCTIVE PROXIMITY SWITCHES:

- Operating Type : (A) DC – 2, 3, 4 Wires
(B) AC - 2 or 3 Wires
- Output Logic : NPN, PNP (for DC), NO/NC (for AC)
- Size : M5 to M80
- Mounting : Flux /Non Flux Type
- Termination : Integrated Wire or Connector Type
- Protection : (1) Short Circuit & Reverse Polarity (DC Type)
(2) Transients and Serges. (AC Type)
- Sensing Distance : Up to 35 mm
- Switching Frequency : Up to 1Khz
- Load Current : 400 mA for DC, 500 mA for AC
- Operating Voltage : 1. 10 to 30 VDC (for Dc)
2. 110VAC/240VAC/90-240VAC (for AC)
- Operating Temp. : 0-55 °C (Up to 100 °C on request)
- Shape : Cylindrical, Flat, Square Head,
Limit Switch Style, and Slot Types.
- Encloser : Brass, Copper, Plastic, S.S., M.S.
- Application : Pharma, Plastic, Packaging, Textile M/C.,
Machine Tools, Robotics,
Bulk Material Handling,
for Counting & Position Sensing



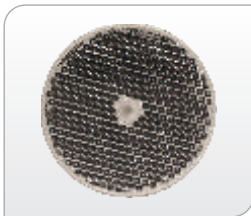
MAGNETIC PROXIMITY SWITCHES:

- Operating Type : (1) Position sensing switches with Reed Element.
(2) Magnetic pick-up Sensors - 2 or 3 Wires DC
- Operating : 10 to 30 VDC
- Object : Ferrous
- Termination : Integrated 2/3-core cable
- Application : High Speed Counting Cylinder,
Automobile / Process Engg.,
Position sensing in hydraulic cylinders.
Valve sensing Applications,



CAPACITIVE PROXIMITY SWITCH:

- Operating Type : (A) DC – 2, 3, 4 Wires
(B) AC - 2 or 3 Wires
- Output Logic : NPN, PNP (for DC), NO/NC (for AC)
- Sensing Range : Up to 15 mm
- Shape : Cylindrical Type
- Operating Voltage : 1. 10 to 30 VDC (for DC)
2. 110VAC/240VAC/90-240VAC (for AC)
- Operating Temp. : 0-55 °C (Up to 100 °C on request)
- Enclosure : Brass, Copper, Plastic, S. S., M. S.
- Features : (1) Senses Non-Metallic, Metallic as well as Liquid
- Application : Pharmaceuticals / Food Processing, Plastics, for Level Sensing Plastic Granules & Parts, Sand, Bulk Material Level Sensing



OPTICAL PROXIMITY SWITCHES:

- Operating Principle : (1) Diffuse Scan (2) Retro-Reflective
(3) Through-Beam (TB) (4) Print Mark
(5) Colour Mark (6) Fiber Optic Amplifier
- Output Logic : NPN or PNP
- Protection : Short Circuit & Reverse Polarity
- Sensing Range : Up to 10 mtrs.
- Switching Frequency : Up to 100 hz
- Output Current : 200 mA (Max.)
- No Load Current : 5 To 10 mA (Max.)
- Drop Across Switches : Less than 1 Volt
- Operating Voltage : 10 to 30 VDC
- Operating Temp. : 0-55 °C (Up to 100 °C on request)
- Mounting Shape : Cylindrical, Rectangular, Slot Types.
- Encloser : Brass, Copper, Plastic, S.S., M.S.
- Features : (1) Senses any Object,
(2) Medium counting speeds,
(3) Longer Sensing Distances,
(4) High position sensing accuracy
- Application : Pharmaceuticlas / Plastic /
Textile / Ceramics / Robotics / Automobile /
Foundry/Food Processing, Printing,
Packaging / Chemical Plant / Cement Plant,
Safety and Security Appliance



DC to AC



AC to AC



DC to DC



PBC Mounted



AC to AC



DC to AC

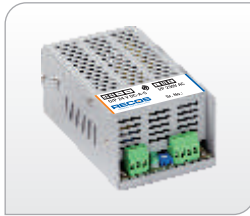
SOLID STATE RELAY:

(A) SINGLE PHASE

- Type : **DC to AC (AC Load)**
- Input Voltage : 3-32 VDC
- Output Voltage : 0-380 Vac & 0-480 Vac
- Rating : 16 Amp., 25 Amp., 40 Amp., 80 Amp., 150 Amp.
- OUTPUT : TRIAC & Back to Back SCR (Silicon Control Rectifier)
- Type : **AC to AC (AC Load)**
- Input Voltage : 30-280 VAC
- Output Voltage : 0-380 VAC & 0-480 VAC
- Rating : 16Amp., 25 Amp., 40 Amp., 80 Amp., 150 Amp.
- OUTPUT : TRIAC & Back to Back SCR (Silicon Control Rectifier)
- Type : **DC to DC (DC Load)**
- Input Voltage : 3-32 VDC
- Output Voltage : 55 VDC, 200 VDC, 500 VDC
- Rating : 16 Amp., 25 Amp., 40 Amp., 80 Amp., 150 Amp.
- OUTPUT : Transistor / Mosfet

(B) THREE PHASE

- Type : **DC to AC (AC Load)**
- Input Voltage : 3-32 VDC
- Output Voltage : 0-380 VAC & 0-480 VAC
- Rating : 16 Amp., 25 Amp., 40 Amp., 80 Amp., 150 Amp.
- OUTPUT : TRIAC & Back to Back SCR (Silicon Control Rectifier)
- Type : **AC to AC (AC Load)**
- Input Voltage : 30-280 VAC
- Output Voltage : 0-380 VAC & 0-480 VAC
- Rating : 16 Amp., 25 Amp., 40 Amp., 80 Amp., 150 Amp.
- OUTPUT : TRIAC & Back to Back SCR (Silicon Control Rectifier)



4.2 Amp.



10 Amp.



2.1 Amp.

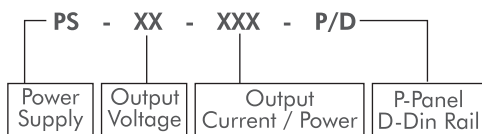


4.2 Amp.

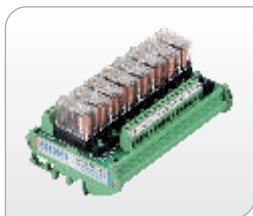
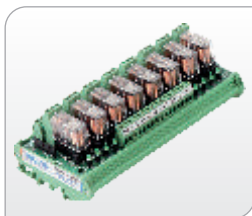
SWITCH MODE POWER SUPPLY (SMPS):

- Input Voltage Range : 160-290V AC
- Input Frequency : 40-60HZ
- Output Voltage : 24 VDC, 12 VDC, 5 VDC, Multi Output
- Output Current : 2.1 Amp., 4.2 Amp., 10 Amp. 20 Amp.
- Output Voltage Adjustment : $\pm 10\%$
- Efficiency @ full load & 230 V AC Input : $> 85\%$
- Hold-up Time : 20 msec
- Operating Temperature : 0 to 50 Deg °C
- Leakage Current : < 2 mA at 230 VAC
- Line Regulation : $< 1\%$
- Load Regulation : $< 1\%$
- Protections : (1) Input under /over voltage
(2) Output overload / short circuit
(3) Output over voltage
(4) Thermal overload/over temperature
- Isolation between : (1) Input & Output
(2) Input & Earth
(3) Output & Earth
- Ripple and Noise : Very Low
- Mounting : Panel / Din Rail Mounting

Ordering Information



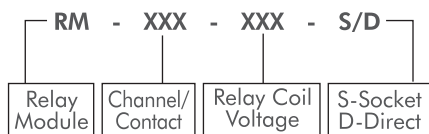
MODEL NO.	DESCRIPTION	MOUNTING
24 VDC SERIES		
PS-24-21-P	24 VDC, 2.1 Amp, 50W	PANEL, DIN RAIL
PS-24-45-P	24 VDC, 4.5 Amp, 100W	PANEL, DIN RAIL
PS-24-625-P	24 VDC, 6.25 Amp, 150W	PANEL, DIN RAIL
PS-24-10-P	24 VDC, 10 Amp, 240W	PANEL, DIN RAIL
PS-24-20-P	24 VDC, 20 Amp, 480W	PANEL, DIN RAIL
12 VDC SERIES		
PS-12-21-P	12 VDC, 2.1 Amp, 25W	PANEL, DIN RAIL
PS-12-45-P	12 VDC, 4.5 Amp, 50W	PANEL, DIN RAIL
PS-12-625-P	12 VDC, 6.25 Amp, 75W	PANEL, DIN RAIL
PS-12-10-P	12 VDC, 10 Amp, 120W	PANEL, DIN RAIL
PS-12-20-P	12 VDC, 20 Amp, 240W	PANEL, DIN RAIL
5 VDC SERIES		
PS-5-21-P	5 VDC, 2.1 Amp, 10W	PANEL, DIN RAIL
PS-5-45-P	5 VDC, 4.5 Amp, 25W	PANEL, DIN RAIL
MULTI OUTPUT		
• Combination of 12 and 5 VDC / 24 and 5 VDC / 24 and 12 VDC in each up to 3 Amp.		
• AS PER CUSTOMER REQUIREMENT UP TO 500 W.		



I/O MODULES:

- Operating Voltage : Different Voltage
(DC: 12V, 24V, 48V, AC: 24V, 110V, 230V)
- Input Signal : Common Positive or Common Negative Selection
- Output Signal : Potential Free Contact (10 Amp. Relay)
- Channel : 2,4,8,12,16 Channels
- Output Contact : 1 C/O, 2 C/O.
- Relay Mounting : Plugged in to Socket
- Indication : Status Display/Channel
- Connection : Screw Type Terminal Block
- Isolation : I/O module provides electrically isolation between Programmable logic Controller and final control devices (Valve, Motor, Heater etc.)
- Protection : Relay Coil Protected by Means of Freewheeling Diode
- Features : All components are UL approval include PCB.

Ordering Information



MODEL NO.	CONTACT	RELAY COIL	MODEL NO.	CONTACT	RELAY COIL
16-CHANNEL			8-CHANNEL		
RM-162-24-S	2 C/O.	24 VDC	RM-82-24-S	2 C/O.	24 VDC
RM-161-24-S	1 C/O	24V DC	RM-81-24-S	1 C/O.	24V DC
RM-162-12-S	2 C/O.	12 VDC	RM-82-12-S	2 C/O.	12 VDC
RM-161-12-S	1 C/O.	12 VDC	RM-81-12-S	1 C/O.	12 VDC
RM-162-24A-S	2 C/O.	24VAC	RM-82-24A-S	2 C/O.	24VAC
RM-161-24A-S	1 C/O.	24 VAC	RM-81-24A-S	1 C/O.	24 VAC
RM-162-230A-S	2 C/O.	230VAC	RM-82-230A-S	2 C/O.	230VAC
RM-161-230A-S	1 C/O.	230VAC	RM-81-230A-S	1 C/O.	230VAC
12-CHANNEL			4-CHANNEL		
RM-122-24-S	2 C/O.	24 VDC	RM-42-24-S	2 C/O.	24 VDC
RM-121-24-S	1 C/O.	24V DC	RM-41-24-S	1 C/O.	24V DC
RM-122-12-S	2 C/O.	12 VDC	RM-42-12-S	2 C/O.	12 VDC
RM-121-12-S	1 C/O.	12 VDC	RM-41-12-S	1 C/O.	12 VDC
RM-122-24A-S	2 C/O.	24VAC	RM-42-24A-S	2 C/O.	24VAC
RM-121-24A-S	1 C/O.	24 VAC	RM-41-24A-S	1 C/O.	24 VAC
RM-122-230A-S	2 C/O.	230VAC	RM-42-230A-S	2 C/O.	230VAC
RM-121-230A-S	1 C/O.	230VAC	RM-41-230A-S	1 C/O.	230VAC

+91-79-30126488
info@recosindia.com
www.recosindia.com

Recos Sensors & Control (P) Ltd.

A-4, 1st Floor, Anand Complex, Opp. Sola Bridge,
Thaltej, S.G. Highway, Ahmedabad-380 054.