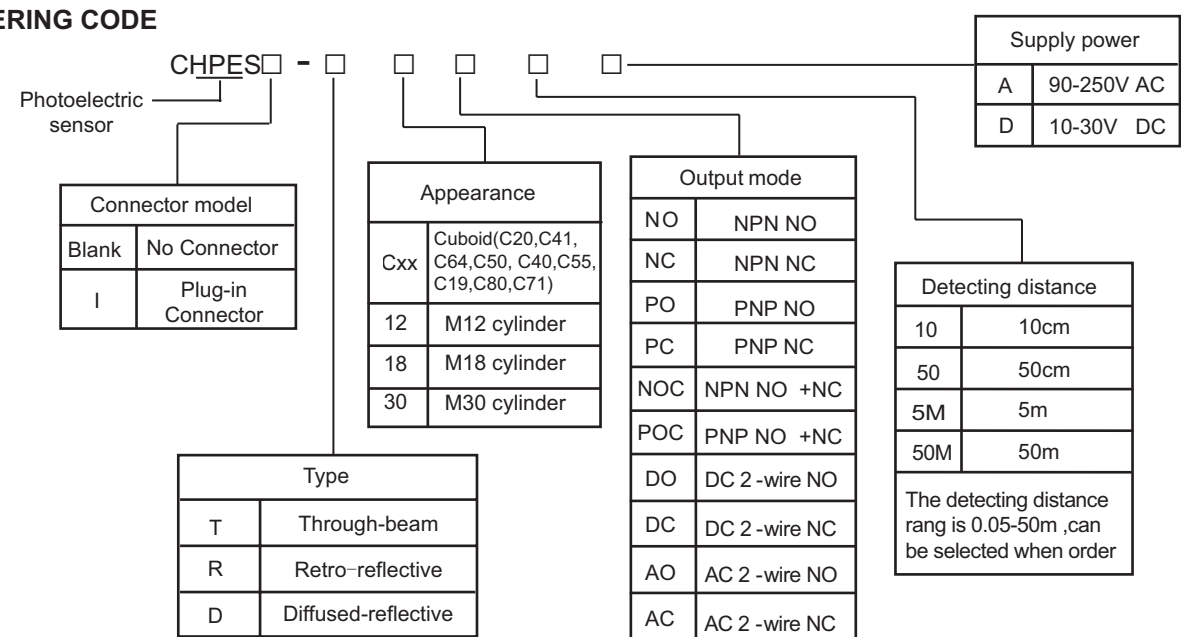


Dear clients, Thanks for choosing APOSUN PHOTOELECTRIC SENSORS! Before installing and operating the sensors, please read this instruction manual carefully. For any questions, please contact our sales people immediately.

1.FEATURES

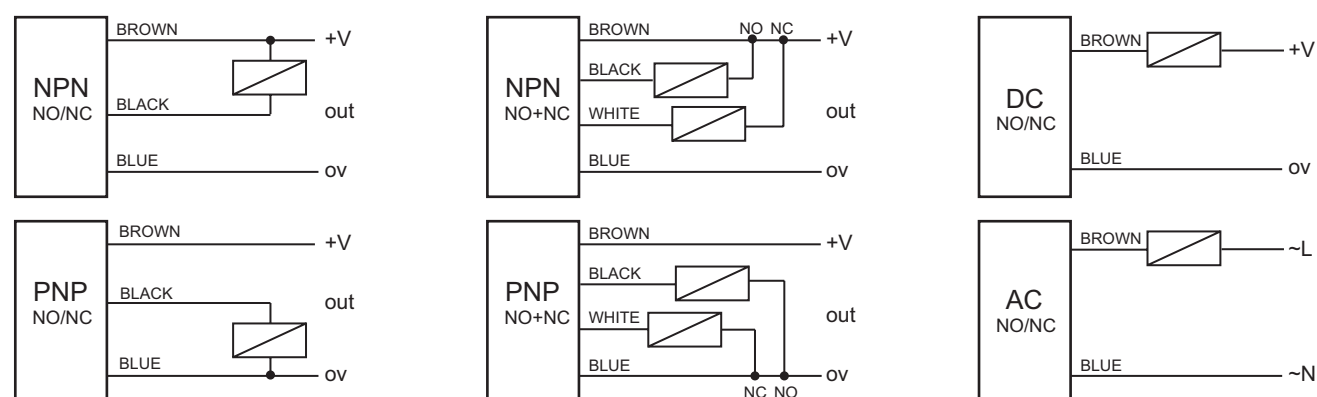
- Through-beam type, retro-reflective type and diffused-reflective type.
Optional styles and dimensions : cylinder(brass nickle plated or plastic) style and cuboid style(plastic).
DC 3 wire, DC 4 wire or AC 2 wire; wires or plug-in connector.
Light resource:Infrared LED
Strong anti-shock and anti-vibration.
Non-contact object detect: avoid the photoelectric sensor to contact the object directly, protect the inducing component from damage and extend the operation life of the sensor.
Detect any objects with different materials: detect objects by the light quantities reflected and received, detect objects such as glass, metal, plastic, wood, fluid....etc.
Long detect distance, up to 50m; Fast response: max.5ms.
Identify object colors: according to the colors' reflectivity and absorptivity, the sensors detect the light that the object reflected and identify the colors.
High precision: precise electron circuit, can detect tiny objects with accurate position.
IP ratings: IP67(65) ; Polarity reverse protection.

2.ORDERING CODE

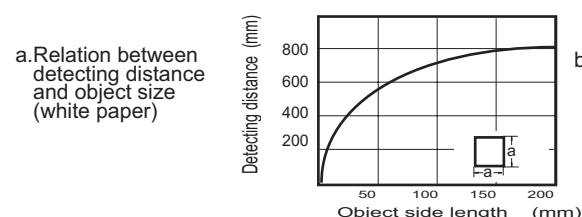


*AC 20~250 can be special ordered, for other special request of photoelectric sensors (i.e.appearance,function), please indicate when order.

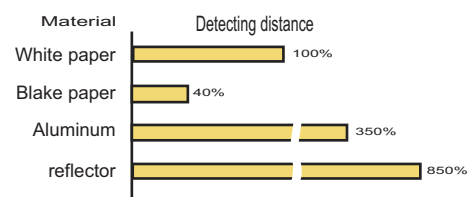
3.CONNECTION



4.TECHNICAL INSTRUCTIONS



b.Influence of different objects to detecting distance (only for Diffused-reflective type)



c.Type instructions

Table with 2 columns: TYPE and SPECIALITY. Rows include Through-beam, Retro-reflective, and Diffused-reflective sensor types with their respective diagrams and speciality features.

d.Terms

Table with 2 columns: TERMS and DEFINITION. Rows include Different distance, Detect angle, Response time, and Ambient light with their respective diagrams and definitions.

e.Operation instruction

Table with 2 columns: External interference and Solutions. Rows include block, Re-adjust the installing height, Rough installing surface, black background, and increase the distance, with diagrams and solutions for each issue.

f.Other notice

- When the high voltage cable, power cable and photoelectric sensor cable are placed in one tube, they might affect one another and cause misworking.
Power supply must be within the specified range.
Pay attention installation in the following conditions may cause misworking:
- Dust and corrosive gas environment
- Water, oil and medication spurt environment
- Strong sunlight irradiate environment, high ambient temperature conditions
- Vibrate and shock environment