CE
EC5D 2105-1

PROXIMITY SWITCH

HN-0802-☐
HN-0802-S☐

CE

Operating Voltage: DC10~30V
Sensing Distance: 2mm

HN-1705-☐

CE

Operating Voltage: DC10~30V
                  AC24~250V
Sensing Distance: 5mm

HN-1805-☐

CE

Operating Voltage: DC10~30V
                  AC24~250V
Sensing Distance: 5mm

HN-2305-☐

CE

Operating Voltage: DC10~30V
                  AC24~250V
Sensing Distance: 5mm

HN-2507-☐

CE

Operating Voltage: DC10~30V
                  AC24~250V
Sensing Distance: 7mm

HN-3010-☐

CE

Operating Voltage: DC10~30V
                  AC24~250V
Sensing Distance: 10mm

HN-4020-☐

CE

Operating Voltage: DC10~30V
                  AC24~250V
Sensing Distance: 20mm

HN-100-70-☐

CE

Operating Voltage: DC10~30V
                  AC24~250V
Sensing Distance: 70cm

HN-2510-☐

CE

Operating Voltage: DC10~30V
                  AC24~250V
Sensing Distance: 10mm

HN-1204-☐

CE

Operating Voltage: DC10~30V
Sensing Distance: 4mm

HW-1805-S☐

CE

Operating Voltage: DC10~30V
Sensing Distance: 5mm

HW-3605-S☐

CE

Operating Voltage: DC10~30V
Sensing Distance: 5mm

HT-1205-☐

CE

Operating Voltage: DC10~30V
Sensing Distance: 5mm/2mm

HS-0801-☐

CE

Operating Voltage: DC10~30V
Sensing Distance: 1mm

HS-0802-☐

CE

Operating Voltage: DC10~30V
Sensing Distance: 2mm

HS-1202-☐

CE

Operating Voltage: DC10~30V
Sensing Distance: 2mm

HS-1204-☐

CE

Operating Voltage: DC10~30V
Sensing Distance: 4mm

HX-0801-☐

CE

Operating Voltage: DC10~30V
Sensing Distance: 1mm

HX-0802-☐

CE

Operating Voltage: DC10~30V
Sensing Distance: 2mm

HX-1202-☐

CE

Operating Voltage: DC10~30V
                  AC24~250V
Sensing Distance: 2mm

MAXTECH®

HX-1204-□ CE
Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 4mm

HX-1805-□ CE
Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 5mm

HX-1808-□ CE
Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 8mm

HX-3010-□ CE
Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 10mm

HX-3015-□ CE
Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 15mm

HC-2008-□
HC-3420-□ CE
Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 8mm/20mm

HEX-1805-□
HEX-1808-□ CE
Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 5mm/8mm

HN-1705-M CE
Operating Voltage: AC/DC12~250V
Sensing Distance: 5mm

HN-1805-M CE
Operating Voltage: AC/DC12~250V
Sensing Distance: 5mm

HN-2507-M CE
Operating Voltage: AC/DC12~250V
Sensing Distance: 7mm

HN-3010-M CE
Operating Voltage: AC/DC12~250V
Sensing Distance: 10mm

HN-4020-M CE
Operating Voltage: AC/DC12~250V
Sensing Distance: 20mm

HX-1202-M CE
Operating Voltage: AC/DC12~250V
Sensing Distance: 2mm

HX-1204-M CE
Operating Voltage: AC/DC12~250V
Sensing Distance: 4mm

HX-1805-M CE
Operating Voltage: AC/DC12~250V
Sensing Distance: 5mm

HX-1808-M CE
Operating Voltage: AC/DC12~250V
Sensing Distance: 8mm

HX-3010-M CE
Operating Voltage: AC/DC12~250V
Sensing Distance: 10mm

HX-3015-M CE
Operating Voltage: AC/DC12~250V
Sensing Distance: 15mm

HC-2008-M CE
Operating Voltage: AC/DC12~250V
Sensing Distance: 8mm

HC-3420-M CE
Operating Voltage: AC/DC12~250V
Sensing Distance: 20mm

PROXIMITY SWITCH WITH CONNECTOR
CAPACITIVE PROXIMITY SWITCH

KN-3015-☐

Operating Voltage: DC10~30V
Sensing Distance: 15mm

KW-3610-☐

Operating Voltage: DC10~30V
Sensing Distance: 10mm

KX-1808-☐

Operating Voltage: DC10~30V
Sensing Distance: 8mm

KC-2010-☐

Operating Voltage: DC10~30V
Sensing Distance: 10mm

KX-3020-☐

Operating Voltage: DC10~30V
Sensing Distance: 20mm

KC-3425-☐

Operating Voltage: DC10~30V
Sensing Distance: 25mm

HN-1705-☐CT

Operating Voltage: DC10~30V
AC25~250V
Sensing Distance: 5mm

HN-1805-☐CT

Operating Voltage: DC10~30V
AC25~250V
Sensing Distance: 5mm

HN-2507-☐CT

Operating Voltage: DC10~210V
AC24~250V
Sensing Distance: 7mm

HN-3010-☐CT

Operating Voltage: DC10~210V
AC24~250V
Sensing Distance: 10mm

HN-4020-☐CT

Operating Voltage: DC10~210V
AC24~250V
Sensing Distance: 20mm

HX-0801-☐CT

Operating Voltage: DC10~30V
Sensing Distance: 1mm

HX-0802-☐CT

Operating Voltage: DC10~30V
Sensing Distance: 2mm

HX-1202-☐CT

Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 2mm

HX-1204-☐CT

Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 4mm

HX-1805-☐CT

Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 5mm

HX-1808-☐CT

Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 8mm

HX-3010-☐CT

Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 10mm

HX-3015-☐CT

Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 15mm

HC-2008-☐CT

Operating Voltage: DC10~30V
AC24~250V
Sensing Distance: 8mm

MAXTECH®

HC-3420-☐CT CE

Operating Voltage: DC10~30V
                   AC24~250V
Sensing Distance: 20mm

HEX-1805-☐CT
HEX-1808-☐CT CE

Operating Voltage: DC10~30V
                   AC24~250V
Sensing Distance: 5mm/8mm

HX-0801/HX-0802 ☐AN/BN CE

Operating Voltage: DC10~30V
Sensing Distance: 1mm/2mm

HX-1202/HX-1204 ☐AN/BN CE

Operating Voltage: DC10~30V
Sensing Distance: 2mm/4mm

HX-1805/HX-1808 ☐AN/BN CE

Operating Voltage: DC10~30V
Sensing Distance: 5mm/8mm

HX-3010/HX-3015 ☐AN/BN CE

Operating Voltage: DC10~30V
Sensing Distance: 10mm/15mm

UX-40R-S☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 40cm

UX-300D-S☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 300cm

UX-2000T-S☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 2000cm

UX-10R-☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 10cm

UX-30R-☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 30cm

UX-300D-☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 300cm

UX-2000T-☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 2000cm

UN-15R-☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 15cm

UN-30R-☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 30cm

UN-200D-☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 300cm

UN-200T-☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 200cm

US-10R-☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 10cm

US-40R-☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 40cm

US-200D-☐ CE

Operating Voltage: DC10~30V
Sensing Distance: 200cm

MAXTECH®

US-500T-☐
CE
Operating Voltage: DC10~30V
Sensing Distance: 500cm

UY-10R-☐
CE
Operating Voltage: DC10~30V
Sensing Distance: 10cm

UY-30R-☐
CE
Operating Voltage: DC10~30V
Sensing Distance: 30cm

UY-2MD-☐
CE
Operating Voltage: DC10~30V
Sensing Distance: 200cm

UY-3MT-☐
CE
Operating Voltage: DC10~30V
Sensing Distance: 300cm

UP-100R
CE
Operating Voltage: DC/AC12~240V
Sensing Distance: 100cm/200cm

UP-300D
CE
Operating Voltage: DC/AC12~240V
Sensing Distance: 300cm/500cm

UP-1000T
CE
Operating Voltage: DC/AC12~240V
Sensing Distance: 1000cm/2000cm

UT-06N-R
CE
Operating Voltage: DC12~24V
Sensing Distance: 6mm

UDJ-211-☐
CE
Operating Voltage: DC12~24V
Sensing Distance: 8mm

UDJ-311-☐
CE
Operating Voltage: DC12~24V
Sensing Distance: 9mm

UDJ-411-☐
CE
Operating Voltage: DC12~24V
Sensing Distance: 11mm

UDJ-511-☐
CE
Operating Voltage: DC12~24V
Sensing Distance: 12mm

HN-FR
CE
Operating Voltage: DC12~24V

HN-FR-1
CE
Operating Voltage: DC12~24V

H-CR-05
CE
Sensing Distance: 4mm
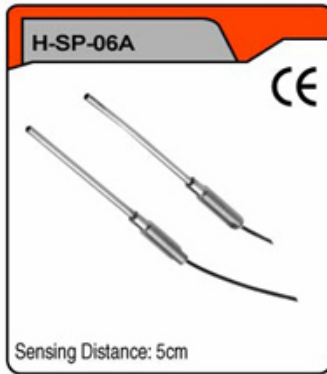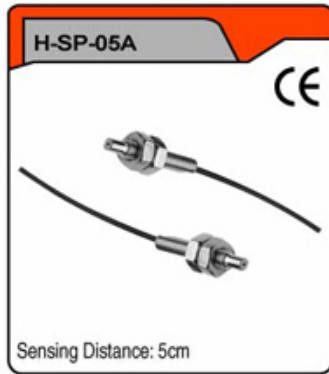
H-CR-05A
CE
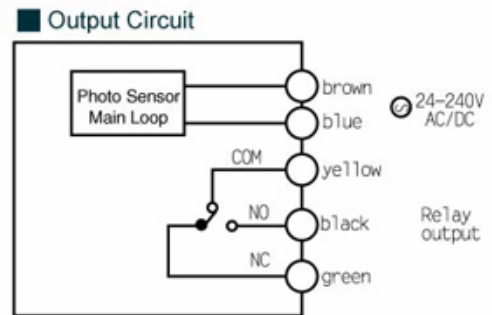Setting Distance: 12mm

H-CR-06
CE
Sensing Distance: 4cm

H-CR-06A
CE
Sensing Distance: 12mm

H-SP-05
CE
Sensing Distance: 15mm

MAXTECH®

FIBER OPTICS PHOTO SENSOR (BODY) POWER CONTROLLER

H-SP-05A
CE
Sensing Distance: 5cm

H-SP-06
CE
Sensing Distance: 15cm

H-SP-06A
CE
Sensing Distance: 5cm

UQ-10R
CE
Sensing Distance: 10cm/15cm

UQ-100R
CE
Sensing Distance: 100cm/200cm

PM-02N
CE
Operating Voltage: AC110~220V

PM-02DN
CE
Operating Voltage: AC110~220V

PH-01N
CE
Operating Voltage: AC110~220V

PH-05DN
CE
Operating Voltage: AC110~220V

PH-05DN2
CE
Operating Voltage: AC110~220V

AC/DC Photo Sensor with Built-in Amplifier

■ Output Circuit

Photo Sensor Main Loop — brown — 24~240V AC/DC
— blue
COM — yellow
NO — black — Relay output
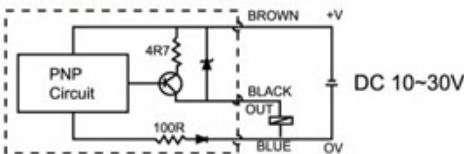NC — green

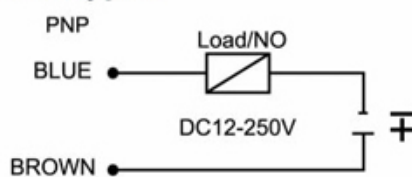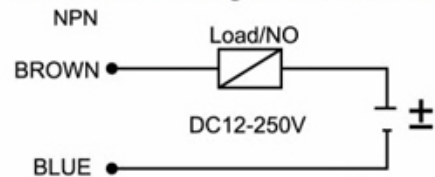## The circuit diagram of DC 3-Wires type/ AC 2-wires type:

NPN DC 3 wires type
BROWN +V
100R
OUT
NPN Circuit
BLACK
4R7
BLUE 0V
DC 10~30V

PNP DC 3 wires type
BROWN +V
4R7
PNP Circuit
BLACK
OUT
100R
BLUE 0V
DC 10~30V

AC 2 wires type
BROWN
Main Circuit
BLUE
AC 24~250V
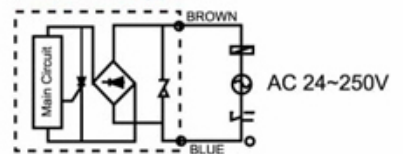
The circuit diagram of AC/DC 2 wires type:

NPN
Load/NO
BROWN
DC12-250V
BLUE
±

PNP
Load/NO
BLUE
DC12-250V
BROWN
±

AC
Load/NO
BROWN
AC12-250V 50/60Hz
BLUE
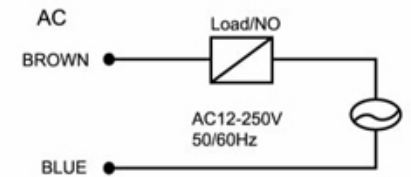
The circuit diagram of Photo Sensor NO/NC type:

■ Connections

(1) Sender
Light source 10 to 30 VCD
BROWN
BLUE
DC 10~30V

(2) NPN Wiring Method
BROWN
NO NC
NPN Load:200mA 10 to 30 VDC
BLACK
WHITE
BLUE
DC 10~30V

(3) PNP Wiring Method
BROWN
PNP Load:200mA 10 to 30 VDC
BLACK
WHITE
BLUE
NC NO
DC 10~30V