

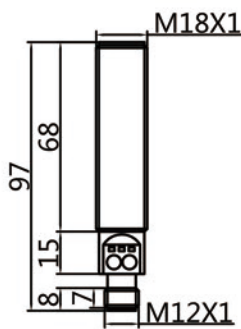


**Features :**

- Diffuse type;
- M18\*1mm, nickel-plated brass housing;
- DC 4-wire, switching output;
- Connector versions



**Dimensioned drawing**



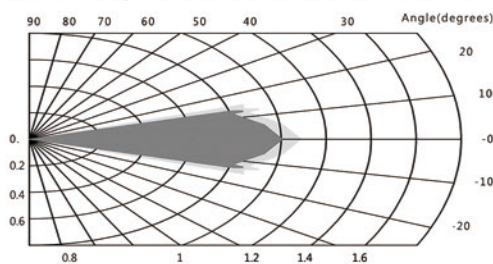
**Model No.**

Sensing range	Sn: 100-1000 mm
NPN. NO/NC	UM18-T10N-C31S12
PNP. NO/NC	UM18-T10P-C31S12

**Sonic cone profile**

Angle(degrees) : 7°

Curve1 : Sensing distance far-limit(sde)  
Curve2 : Sensing distance  
Standard target plate : Flat surface 100mm\*100mm



**Technical data**

<b>Electrical data</b>	Operating voltage	10-30V DC
	Sensing distance	100-1000mm
	Sensing distance far-limit	90-1100mm
	Voltage drop	<2V DC
	Load current	<200mA
	No load current	<60mA
<b>Environment</b>	Hysteresis	20mm
	Sonic frequency	200K Hz
<b>Environment</b>	Ambient temperature	-20...70°C
	Ingress protection	IP65

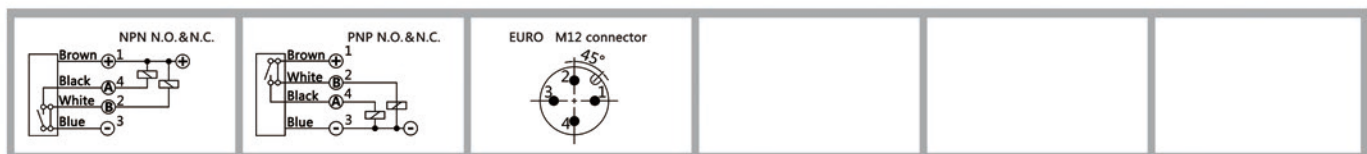
**Sensor adjustment instructions**

Indicator light : Green for instructions,when the sound return back bright,yellow for the output instructions, red for the teaching instructions.

Teaching methods:When objects placement in front of the sensor green light teaching,near point teach for K1 ,far point teach for K2,hold down the switch until the red light flashing finished teaching,release switch.

<b>Mechanical data</b>	Housing material	Brass,nickel-plated
	Operating indicator	Alignment of green / Output of yellow / Teach of red
	Aligner	Target indication flashing
<b>Electrical connection</b>	Connectors	M12 connector
<b>Accessories</b>	Accessories	B12-4GV2/B12-4WV2 (to be ordered separately)

**Wiring**



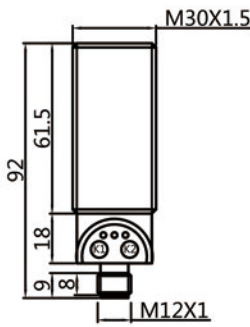


Features :

- Diffuse type;
- M30\*1.5mm, nickel-plated brass housing;
- DC 4-wire, switching output;
- Connector versions



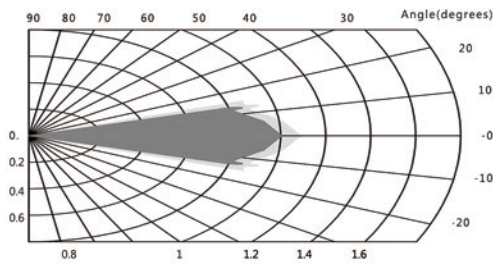
Dimensioned drawing



Sonic cone profile

Angle(degrees) : 7°

Curve1 : Sensing distance far-limit(sde)  
Curve2 : Sensing distance  
Standard target plate : Flat surface 100mm\*100mm

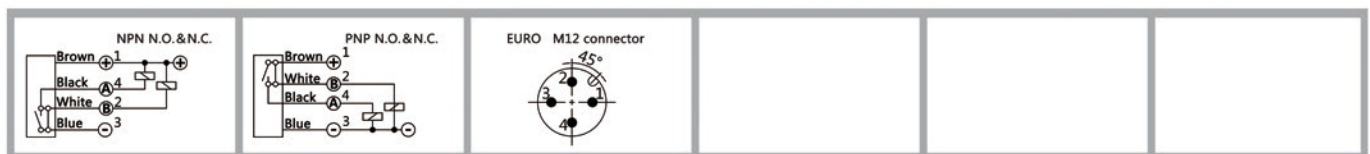


Sensor adjustment instructions

Indicator light : Green for instructions,when the sound return back bright,yellow for the output instructions, red for the teaching instructions,

Teaching methods:When objects placement in front of the sensor green light teaching,near point teach for K1 ,far point teach for K2,hold down the switch until the red light flashing finished teaching,release switch.

Wiring



Model No.

Sensing range	Sn: 300-3000 mm
NPN. NO/NC	UM30-T30N-C31S12
PNP. NO/NC	UM30-T30P-C31S12

Technical data

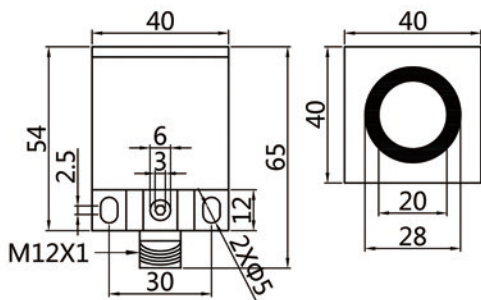
<b>Electrical data</b>	Operating voltage	10-30V DC
	Sensing distance	300-3000mm
	Sensing distance far-limit	280-3200mm
	Voltage drop	<2V DC
	Load current	<200mA
	No load current	≤60mA
	Hysteresis	20mm
<b>Environment</b>	Sonic frequency	112k Hz
	Ambient temperature	-20...70°C
<b>Mechanical data</b>	Ingress protection	IP65
	Housing material	Brass,nickel-plated
<b>Electrical connection</b>	Operating indicator	Alignment of green/Out put of yellow/Teach of red
	Aligner	Target indication flashing
<b>Accessories</b>	Connectors	M12 connector
	Accessories	B12-4GV2/B12-4WV2 (to be ordered separately)

Features :

- Diffuse type;
- Q40 short body, plastic housing;
- DC 4-wire, switching output;
- Cable & connector versions



Dimensioned drawing



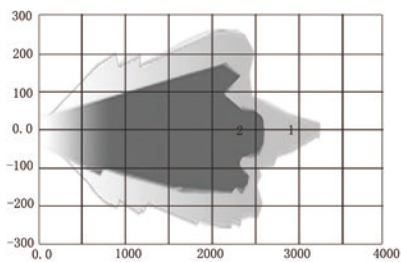
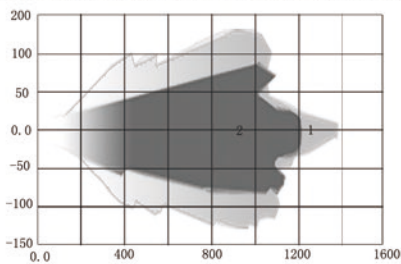
Model No.

Sensing range	Sn: 300-1200 mm	Sn: 300-2500 mm
NPN N. O.	UQ40-T12N-P12S12-S	UQ40-T30N-P12S12-S
PNP N. C.	UQ40-T12P-P12S12-S	UQ40-T30P-P12S12-S

Sonic cone profile

Angle(degrees) : 7°

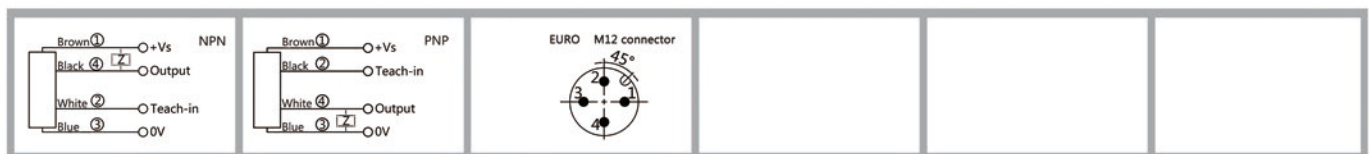
Curve1 : Sensing distance far-limit(sde)  
Curve2 : Sensing distance  
Standard target plate : Flat surface 100mm\*100mm



Technical data

<b>Electrical data</b>	Operating voltage	18-30V DC
	Sensing distance	300-1200mm/2500mm
	Sensing distance far-limit	280-1300mm/3000mm
	Voltage drop	<2V DC
	Load current	≤200mA
	No load current	<35mA
	Hysteresis	2%Sd
<b>Environment</b>	Ambient temperature	-20...60°C
	Ingress protection	IP67
<b>Mechanical data</b>	Housing material	PBT
	Operating indicator	Yellow
	Aligner	Target indication flashing
<b>Electrical connection</b>	Connectors	M12 connector
<b>Accessories</b>	Accessories	B12-4GV2/B12-4WV2 (to be ordered separately)

Wiring





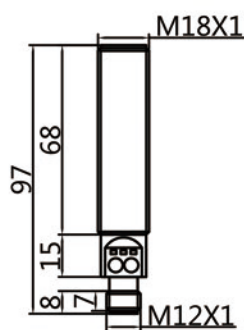


Features :

- Diffuse type;
- M18\*1mm, nickel-plated brass housing;
- DC 4-wire, analog output;
- Connector versions



Dimensioned drawing



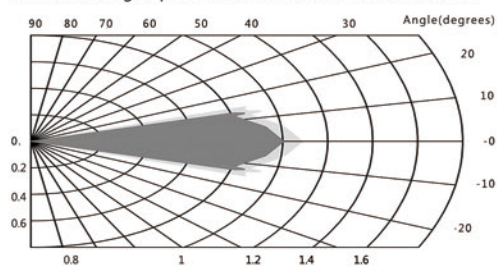
Model No.

Sensing range	Sn: 100-1000 mm
0-20mA	UM18-T10I-C12S12
0-10VDC	UM18-T10V2-C12S12

Sonic cone profile

Angle(degrees) : 7°

Curve1 : Sensing distance far-limit(sde)  
Curve2 : Sensing distance  
Standard target plate : Flat surface 100mm\*100mm



Sensor adjustment instructions

Indicator light : Green for instructions,when the sound return back bright,yellow for the output instructions, red for the teaching instructions.

Teaching methods:When objects placement in front of the sensor green light teaching,near point teach for K1 ,far point teach for K2,hold down the switch until the red light flashing finished teaching,release switch.

Technical data

<b>Electrical data</b>	Operating voltage	18-30V DC
	Sensing distance	100-1000mm
	Sensing distance far-limit	90-1100mm
	Voltage drop	<2V DC
	Repeatability	<1mm
	No load current	≤60mA
	current output	0-20mA/20-0mA
	Voltage output	0-10V/10-0V
<b>Environment</b>	Ambient temperature	-20...70°C
	Ingress protection	IP65
<b>Mechanical data</b>	Housing material	Brass,nickel-plated
	Operating indicator	Alignment of green/Output of yellow/Teach of red
	Alignment aid	Target indication flashing
<b>Electrical connection</b>	Connectors	M12 connector
<b>Accessories</b>	Accessories	B12-4G/B12-4W
		(to be ordered separately)

Wiring



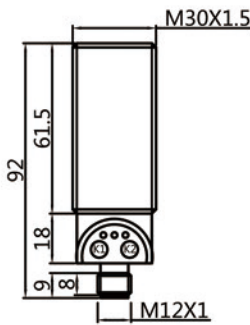


**Features :**

- Diffuse type;
- M30\*1.5mm, nickel-plated brass housing;
- DC 4-wire, analog output;
- connector versions



**Dimensioned drawing**



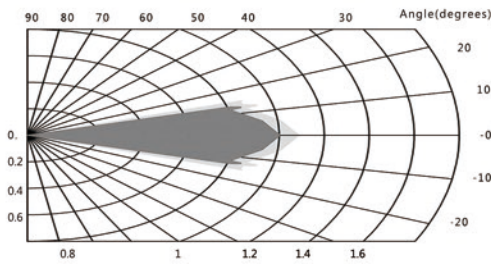
**Model No.**

Sensing range	Sn: 300-3000 mm
0-20mA	UM30-T30I-C12S12
0-10VDC	UM30-T30V2-C12S12

**Sonic cone profile**

Angle(degrees) : 7°

Curve1 : Sensing distance far-limit(sde)  
Curve2 : Sensing distance  
Standard target plate : Flat surface 100mm\*100mm



**Sensor adjustment instructions**

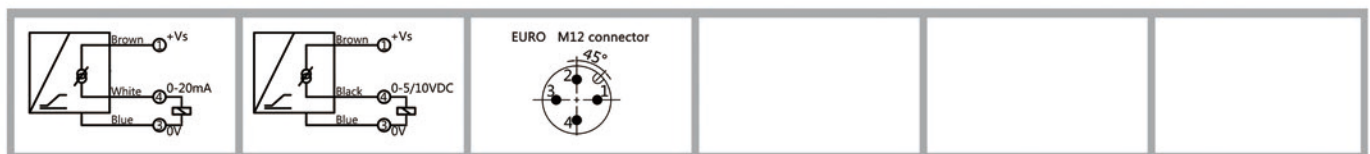
Indicator light : Green for instructions,when the sound return back bright,yellow for the output instructions, red for the teaching instructions.

Teaching methods:When objects placement in front of the sensor green light teaching,near point teach for K1 ,far point teach for K2,hold down the switch until the red light flashing finished teaching,release switch.

**Technical data**

<b>Electrical data</b>	Operating voltage	18-30V DC
	Sensing distance	300-3000mm
	Sensing distance far-limit	280-3500mm
	Voltage drop	<2V DC
	Repeatability	<1mm
	No load current	≤60mA
	current output	0-20mA/20-0mA
	Voltage output	0-10V/10-0V
<b>Environment</b>	Ambient temperature	-20...70°C
	Ingress protection	IP65
<b>Mechanical data</b>	Housing material	Brass,nickel-plated
	Operating indicator	Alignment of green/Output of yellow/Teach of red
	Alignment aid	Target indication flashing
<b>Electrical connection</b>	Connectors	M12 connector
<b>Accessories</b>	Accessories	B12-4GV2/B12-4WV2
		(to be ordered separately)

**Wiring**

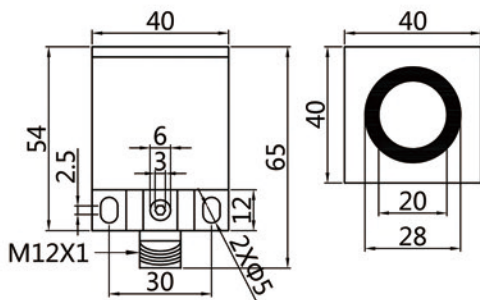


Features :

- Diffuse type;
- Q40 short body, plastic housing;
- DC 4-wire, analog output;
- Cable & connector versions



Dimensioned drawing



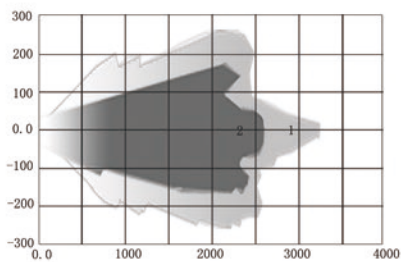
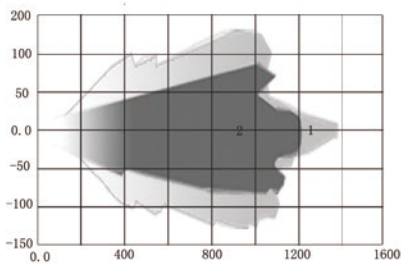
Model No.

Sensing range	Sn: 300-1200 mm	Sn: 300-2500 mm
0-20mA	UQ40-T12I-P12S12-S	UQ40-T30I-P12S12-S
0-5VDC	UQ40-T12V1-P12S12-S	UQ40-T30V1-P12S12-S
0-10VDC	UQ40-T12V2-P12S12-S	UQ40-T30V2-P12S12-S

Sonic cone profile

Angle(degrees) : 7°

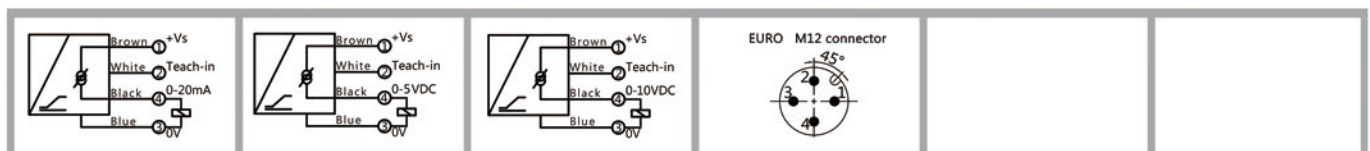
Curve1 : Sensing distance far limit(sde)  
Curve2 : Sensing distance  
Standard target plate : Flat surface 100mm\*100mm



Technical data

<b>Electrical data</b>	Operating voltage	18-30V DC
	Sensing distance	300-1200mm/2500mm
	Sensing distance far-limit	280-1300mm/3000mm
	No load current	<35mA
	Hysteresis	2%Sd
	Sonic frequency	112k Hz
<b>Environment</b>	Ambient temperature	-20...60°C
	Ingress protection	IP67
<b>Mechanical data</b>	Housing material	PBT
	Operating indicator	Yellow
	Aligner	Objective show to flicker
<b>Electrical connection</b>	Connectors	M12 connector
<b>Accessories</b>	Accessories	B12-4GV2/B12-4WV2
	( to be ordered separately )	

Wiring





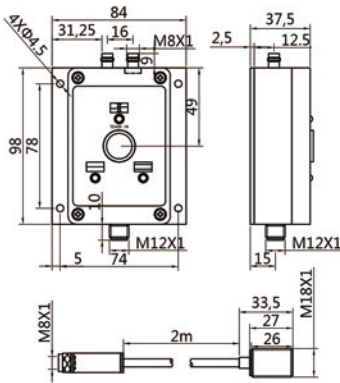


Features :

- Through-beam;
- Metal housing;
- DC 5-wire,switching output;
- connector versinos;
- Ingress protection : IP65



Dimensioned drawing



Sensor adjustment instructions:

This sensor is used to detect single or double overlapping materials 's ultrasonic system.  
 Can be used to detect paper, metal, plastic, metal platinum and other materials, and not affected by print, color and surface brightness.  
 Test material requirements 20g / m<sup>2</sup> — 1200g / m<sup>2</sup>, Tilt installed , Can detect tremors range increases , maximum angle of inclination up to 40°, maximum detectable tremor range the sensor head distance is 60%.  
 The teaching methods press the red button or 5 pin with 1 pin short-circuit.

Model No.

Sensing range	Sn: 20–60 mm
NPN. NO/NC	BUL060N
PNP. NO/NC	BUL060P

Technical data

<b>Electrical data</b>	Sensing head range	20...60mm 45mmoptimum
	Transducer frequency	230KHz
	Operating voltage(U)	18-30VDC
	Operating voltage(ripple)	≤15%U
	No load current	≤80mA
	Current output	<200mA
<b>Mechanical data</b>	Teach In	key or with "+" short circuit
	Teach in time	No less than 5ms
	Teach impedance	10KΩ
	Out Put	The white line is single output , the black line is multiple output ;
<b>Environment</b>	Housing material	Brass , nickel-plated
	Operating indicator	Green light : After alignment haven' t detection ; Yellow light : Monolayer detector ; Red light : Multilayer detector ;
	Working temperature	0°C...60°C
<b>Electrical connection</b>	Connectors	M12 connector
<b>Accessories</b>	Accessories	B12-4GV2/B12-4WV2 ( to be ordered separately )

Wiring

