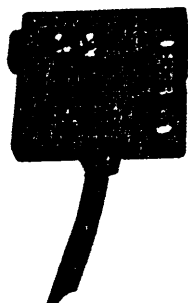


SEEKA

PHOTOSENSORS

19.5mm x 18mm x 3.5mm



UM - SERIES

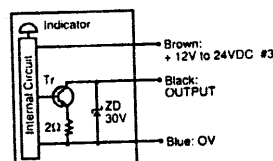
- Ultra Miniature size: Three types: I (19.5x18x3.5mm), II (20x22x4mm), III (21x17.5x3.5mm)
- Throughbeam, diffuse or convergent beam
- Sensitivity adjustment option
- Response time 0.5ms
- IP64 sealed
- NPN 80mA open collector output
- Short circuit protected

TECHNICAL SPECIFICATIONS

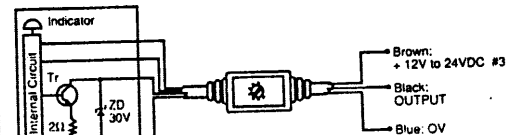
TECHNICAL SPECIFICATIONS											V-Suffix models=Adjustable sensitivity					
Type	UM T15DT		UM T15DTV		UM T50DT		UM T50DTV		UM T50DS		UM R3T	UM R3TV	UM R5T	UM R5TV	UM Z3SV	
Function	Throughbeam										Diffuse				Convergent	
Range(max)	15cm				50cm						0.2to3cm #1		0.2to5cm #1		0.2to3cm	
Object Res.	Ø3mm (min) Opaque object															
Power Supply	24VDC ± 10% Max ripple # 2										12V to 24VDC ± 10% max ripple					
Current	TRNS	15mA					20	27	20	27	27					
Cons.	RCVR	15mA	22mA	15mA	22mA	15mA	mA	mA	mA	mA	mA					
Output	NPN, 80mA, 30VDC (max) Open collector															
Operating Mode	Dark On							Light On								
Response Time	0.5ms (max)															
Light Source	Red LED (660nm)															
Indication	Red LED: Activated output, Green LED: Stability															
Sensitivity	-	Yes	-	Yes	-	-	Yes	-	Yes	Yes						
Adjustment																
Connection	Transmitter: 0.1mm ² x2 (2m Black) Receiver: 0.1mm ² x3 (2m Grey)										0.1mm ² x3 (2m Black)					
Ambient Light	3,000 Lux (Maximum)															
Operating Temp	-25°C to +55°C															
Protection	IP64															
	#1 - 5x5cm White Paper							#2 - 12VDC Type available								

CONNECTION DIAGRAMS

Non Adjustable Types

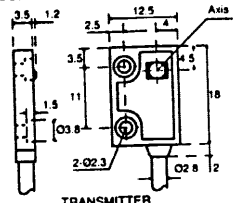


Adjustable Types

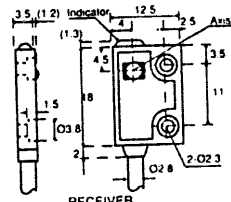
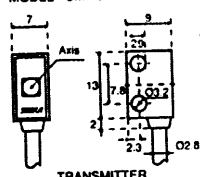


#3 Throughbeam Types 24VDC only
Throughbeam Transmitter: Brown + 24VDC, Blue 0

MODEL - UM-T50DT
MODEL - UM-T50DTV(#1)

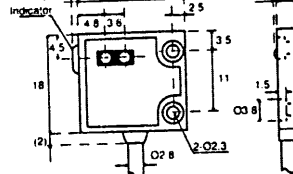


MODEL - UM-T50DS

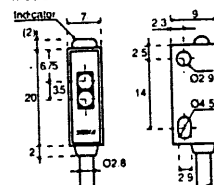


RECEIVER

MODEL - UM-R5T
MODEL - UM-R5TV(#1)

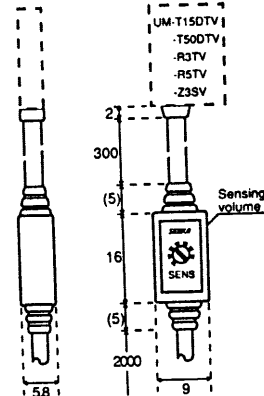


MODEL - UM-Z3SV(#1)



RECEIVER

(#1) ADJUSTABLE SENSITIVITY MODELS (V)



Throughbeam types
Diffuse types
Convergent types

UM-T15DT
UM-R3T
UM-Z3SV

UM-T15DTV
UM-R3TV

UM-T50DT
UM-R5T

UM-T50DTV
UM-R5TV

UM-T50DS