

Standard Series – Rectangular Design



The rectangular CK40 with integrated connector or the CP40 variants with terminal chamber combine the advantages of a large detection range with a wide opening angle and a very small blind zone. These sensors are thus ideally suited for safe detection of objects that provide only a weak reflection signal due to their geometry or are moved in a large environment. Both the switching as well as the measuring devices can be customized easy to use via teach button.

Features

- Large measuring range
- Very short blind zone
- Easy teaching via pin 5 or button
- Very large opening angle

Type code

RU 200 - CK40 - LIU2 P 8 X2 T - H1 1 5 1

RU	200	Series	-	CK40	Design	-	LIU2	P	8	X2	T	Electrical version	-
		Range ... [cm]			Housing CK... rectangular, plastic, flange connector, dimensions in mm CP... rectangular, plastic terminal chamber, dimensions in mm						T blank	with teach button without teach button	
		Functional principle RU ultrasonic sensor									X2	number of LEDs	
											8	15...30 VDC	
											N	NPN output	
											P	PNP output	
											2	number outputs, if > 1	
											LIU	analog output and voltage	

H1	1	5	1	Electrical Connection: Connector
				Assignment 1 standard assignment
				... contacts 5 ... contacts
				Connector type 1 straight
				Connector design H1 flange connector M12 × 1

Standard Series – 40 x 40 – Universal – Switching



General data			
Operating mode	Diffuse mode ultrasonic sensor	Output 2	Switching output
Range	5...200 cm	Housing material	Plastic
Operating voltage	15... 30 VDC	Radiation direction	straight
DC rated operational current	≤ 150 mA	Protection class	IP40
Output 1	Switching output	Ambient temperature	0 ...+70 °C

Types and Data – Selection table

Type	Ident no.	Configuration	Output Function	Connection
RU200-CK40-2UP8X2T-H1151	1610051	via pin 5 or button	PNP	connector, M12 x 1
RU200-CK40-2UN8X2T-H1151	1610057	via pin 5 or button	NPN	connector, M12 x 1
RU200-CP40-2UP8X2T	1610052	via button	PNP	terminal chamber, Terminal box with cable gland
RU200-CP40-2UN8X2T	1610055	via button	NPN	terminal chamber, Terminal box with cable gland

Variable orientation of active face in 5 directions, switchable between diffuse mode and retroreflective mode

Standard Series – 40 x 40 – Universal – Measuring



General data			
Operating mode	Diffuse mode ultrasonic sensor	Output 2	Analog output
Range	5...200 cm	Housing material	Plastic
Operating voltage	15... 30 VDC	Radiation direction	straight
DC rated operational current	≤ 150 mA	Protection class	IP40
Output 1	Switching output	Ambient temperature	0 ...+70 °C

Types and Data – Selection table

Type	Ident no.	Configuration	Output Function	Connection
RU200-CK40-LIU2P8X2T-H1151	1610053	via pin 5 or button	PNP	connector, M12 x 1
RU200-CK40-LIU2N8X2T-H1151	1610058	via pin 5 or button	NPN	connector, M12 x 1
RU200-CP40-LIU2P8X2T	1610054	via button	PNP	terminal chamber, Terminal box with cable gland
RU200-CP40-LIU2N8X2T	1610056	via button	NPN	terminal chamber, Terminal box with cable gland

Variable orientation of active face in 5 directions, switchable between diffuse mode and retroreflective mode