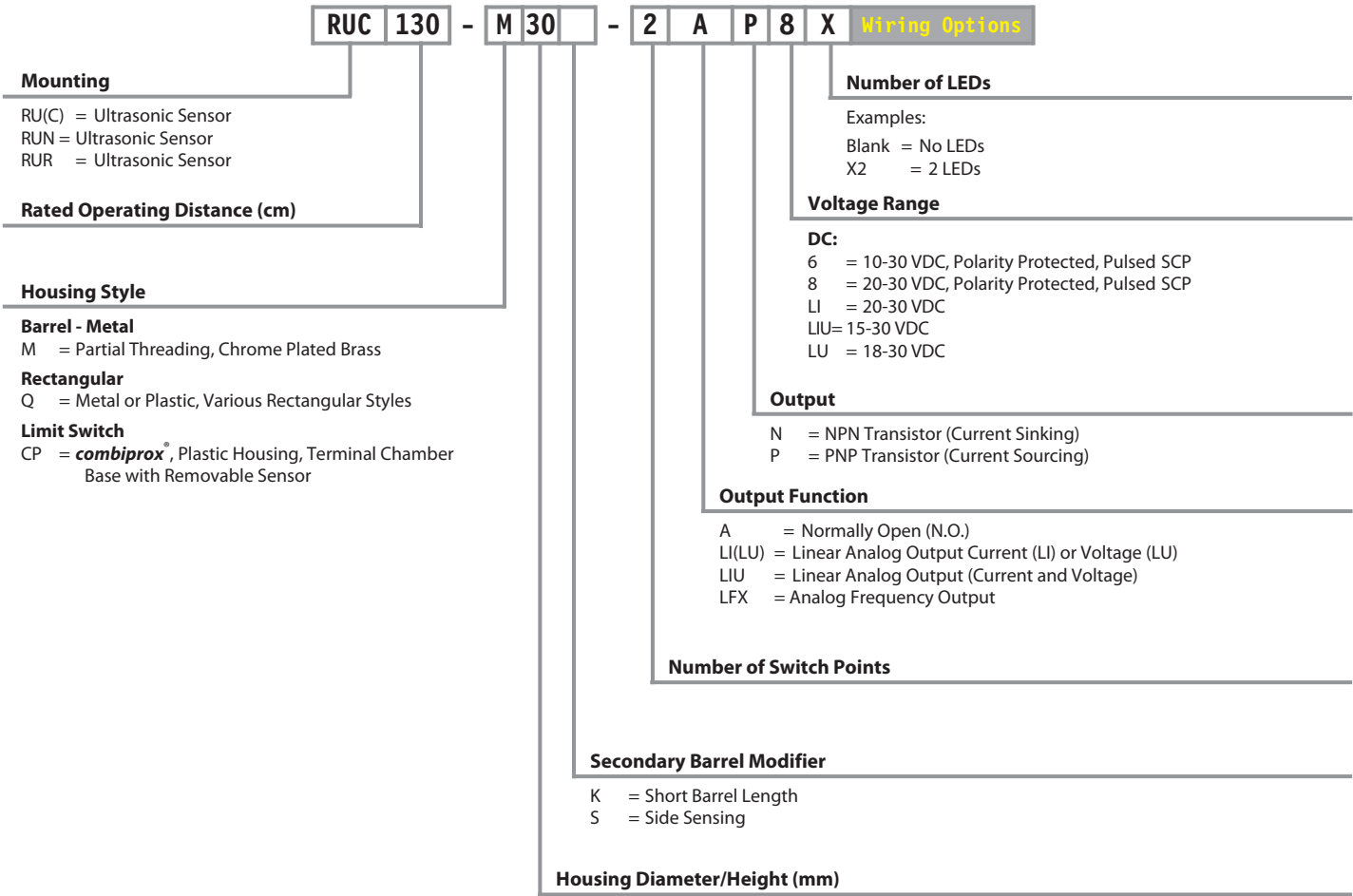


Ultrasonic Sensor Part Number Key



A) Connectorized Sensor

RUC 130-M30-2AP8X-

H1	1	5	1
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Connector Family

H1 = *eurofast*®, Metal or Plastic, Male

Number of LEDs

Example:
1 = Standard

Number of Pins

Connector / Sensor Transition

1 = Straight



Housing Style	Part Number	ID Number	Sensor Operating Mode	Rated Oper. Distance(cm)	Adjustment Method	Sonic Cone Angle	Output
18 mm - Embeddable, Barrel Style eurofast® Connection 	RUN20-M18K-AP8X-H1141	M1830034	D	5-20	Teach Input	6°	4-Wire DC PNP
	RUN70-M18K-AP8X-H1141	M1830035	D	15-70	Teach Input	6°	
	RUR20-M18K-AP8X-H1141	M1830036	R	7-20	Teach Input	6°	
	RUR70-M18K-AP8X-H1141	M1830037	R	20-70	Teach Input	6°	
	RU20-M18K-LFX-H1141	M1830030	D	5-20	Teach Input	6°	4-Wire DC 200-800 Hz 400-1600 Hz Frequency Output
	RU70-M18K-LFX-H1141	M1830031	D	15-70	Teach Input	6°	4-Wire DC 150-700 Hz 300-1400 Hz Frequency Output
18 mm - Embeddable, Side Sensing, Barrel Style eurofast connection 	RUN20-M18KS-AP8X-H1141	M1830038	D	5-20	Teach Input	6°	4-Wire DC PNP
	RUN70-M18KS-AP8X-H1141	M1830039	D	15-70	Teach Input	6°	
	RUR20-M18KS-AP8X-H1141	M1830040	R	7-20	Teach Input	6°	
	RUR70-M18KS-AP8X-H1141	M1830041	R	20-70	Teach Input	6°	
	RU20-M18KS-LFX-H1141	M1830032	D	5-20	Teach Input	6°	4-Wire DC 200-800 Hz 400-1600 Hz Frequency Output
	RU70-M18KS-LFX-H1141	M1830033	D	15-70	Teach Input	6°	4-Wire DC 150-700 Hz 300-1400 Hz Frequency Output

Sensor operating mode:

D = Diffused

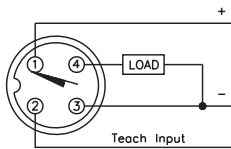
R = Retro-reflective

Adjustment method:

Pot. = Potentiometer

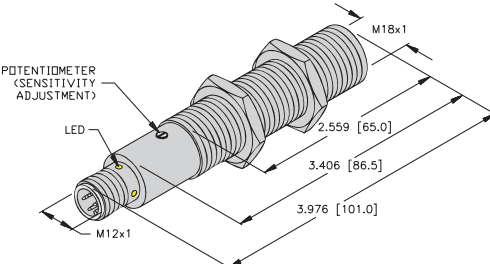
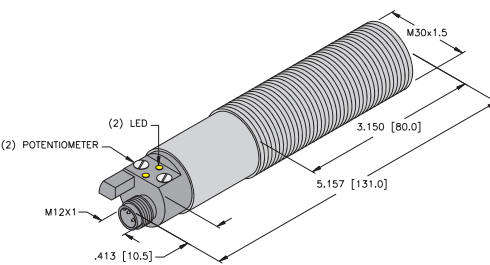
* 4-wire DC sensors can be programmed with a VB2-SP2 programming kit.

Ultrasonics

Voltage	Switching Freq. (Hz)	Continuous Load Current (mA)	Operating Temp. (°C)	Protection	Housing	Transducer	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
20-30 VDC	10	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	1	Diagram 1 
	5	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	1	
	10	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	1	
	5	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	1	
20-30 VDC	N/A	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	2	
20-30 VDC	N/A	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	2	
20-30 VDC	10	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	1	
	5	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	1	
	10	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	1	
	5	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	1	
20-30 VDC	N/A	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	2	
20-30 VDC	N/A	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	2	

* Length in meters.



Housing Style	Part Number	ID Number	Sensor Operating Mode	Rated Oper. Distance(cm)	Adjustment Method	Sonic Cone Angle	Output
18 mm - Embeddable, eurofast[®] Connection 	RU100-M18-AP8X-H1141	M1810200	D	15-100	Pot.	6°	4-Wire DC PNP
	RU30-M18-AP8X-H1141	M1810000	D	5-30	Pot.	6°	
	RU100-M18-LIX-H1141	M1810205	D	15-100	Pot.	6°	4-Wire DC PNP Analog 4-20 mA
	RU30-M18-LIX-H1141	M1810005	D	5-30	Pot.	6°	
30 mm - Embeddable, eurofast Connection 	RU100-M30-AP8X-H1141	M1830200	D	15-100	Pot.	6°	3-Wire DC PNP
	RU30-M30-AP8X-H1141	M1830000	D	6-30	Pot.	6°	
	RUC130-M30-LIAP8X-H1151	M1840230	D	20-130	Pot.	6°	5-Wire DC PNP Analog 4-20 mA
	RUC130-M30-2AP8X-H1151	M1840220	D	20-130	Pot.	6°	5-Wire DC PNP
	RUC30-M30-2AP8X-H1151	M1840020	D	6-30	Pot.	6°	

Sensor operating mode:

D = Diffused

R = Retro-reflective

Adjustment method:

Pot. = Potentiometer

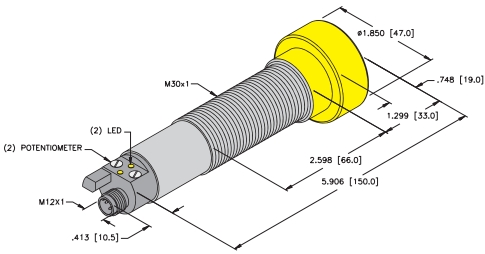
4-wire DC sensors can be programmed with a RU-PDI programming kit.

Ultrasonics

Voltage	Switching Freq. (Hz)	Continuous Load Current (mA)	Operating Temp. (°C)	Protection	Housing	Transducer	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
20-30 VDC	4	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	1	Diagram 1
	5	≤150	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	1	
20-30 VDC	N/A	≤300	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	2	Diagram 2
	N/A	≤300	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RK 4.4T-*	2	
20-30 VDC	4	≤300	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RKK 4.4T-*	1	Diagram 3
	8	≤300	-25 to +70	IP 67	NPB	E/PU/PBT	N/A	YE	RKK 4.4T-*	1	
20-30 VDC	4	≤300	-25 to +70	IP 65	NPB	E/PU/PBT	GN	YE	RKK 4.5T-*	4	Diagram 4
20-30 VDC	4	≤300	-25 to +70	IP 65	NPB	E/PU/PBT	N/A	YE	RKK 4.5T-*	3	Diagram 4
	8	≤300	-25 to +70	IP 65	NPB	E/PU/PBT	N/A	YE	RKK 4.5T-*	3	

* Length in meters.



Housing Style	Part Number	ID Number	Sensor Operating Mode	Rated Oper. Distance(cm)	Adjustment Method	Sonic Cone Angle	Output
47 mm - Embeddable, eurofast® Connection 	RUC300-M3047-AP8X-H1141	M1840400	D	40-300	Pot.	6°	4-Wire DC PNP
	RUC300-M3047-2AP8X-H1151	M1840420	D	40-300	Pot.	6°	5-Wire DC PNP

Sensor operating mode:

- D = Diffused
- R = Retro-reflective

Adjustment method:

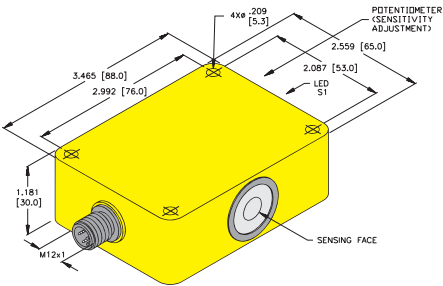
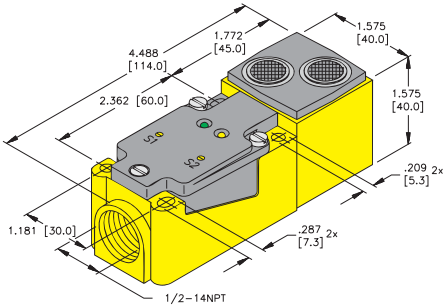
- Pot. = Potentiometer
- 4-wire DC sensors can be programmed with a RU-PDI programming kit.

Ultrasonics

Voltage	Switching Freq. (Hz)	Continuous Load Current (mA)	Operating Temp. (°C)	Protection	Housing	Transducer	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
20-30 VDC	2	≤300	-25 to +70	IP 65	CPB	E/PU/PBT	N/A	YE	RKK 4.4T-*	1	Diagram 1
20-30 VDC	2	≤300	-25 to +70	IP 65	CPB	E/PU/PBT	N/A	YE	RKK 4.5T-*	2	Diagram 2

* Length in meters.



Housing Style	Part Number	ID Number	Sensor Operating Mode	Rated Oper. Distance(cm)	Adjustment Method	Sonic Cone Angle	Output
30 mm - Embeddable, Rectangular, eurofast® Quick Disconnect 	RU100-Q30-AP8X-H1141	M1820200	D	20-100	Pot.	6°	4-Wire DC PNP
	RU100-Q30-LUX-H1141	M1820205	D	20-100	Pot.	6°	4-Wire Analog 0-10 V Voltage
40 mm - Embeddable, Rectangular, Terminal Chamber 	RU100-CP40-AP6X2 W/ESD	M1610200	D	5-180	Pot.	60°	3-Wire DC PNP

Sensor operating mode:
D = Diffused
R = Retro-reflective

Ultrasonics

Voltage	Switching Freq. (Hz)	Continuous Load Current (mA)	Operating Temp. (°C)	Protection	Housing	Transducer	Power LED	Output LED	Mating Cordset/ Cable	Wiring Diagram #	Wiring Diagrams
18-35 VDC	5	≤100	-25 to +70	IP 65	Crastin	EPR	N/A	YE	RKK 4.4T-*	1	Diagram 1
18-35 VDC	N/A	≤100	-25 to +70	IP 65	Crastin	EPR	N/A	YE	RKK 4.4T-*	2	Diagram 2
10-30 VDC	3	≤200	-25 to +70	IP 67	PBT	EPR	GN	YE	- - - -	3	Diagram 3

* Length in meters.