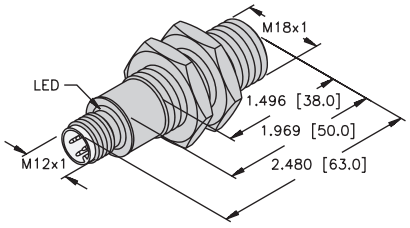
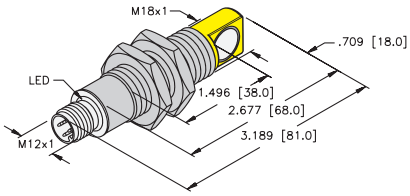
Ultrasonic Sensors

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.

For detailed Sensor Specifications see Section M.
Normally Closed Versions available upon request, consult factory.

TURCK mold-on connectors available on all cable sensors. See page A5.

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

Wiring Diagrams

Diagram 1

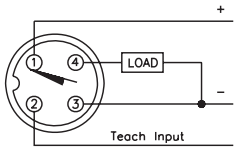
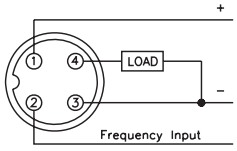


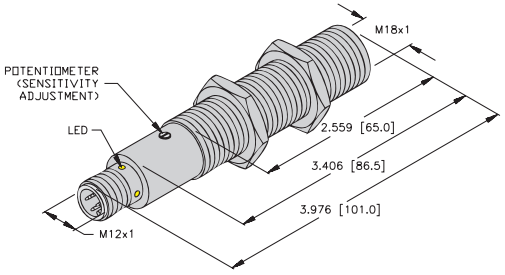
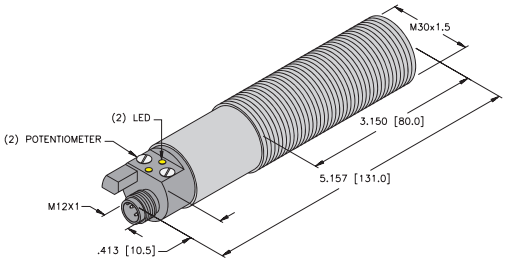
Diagram 2



* Length in meters.

For material descriptions see page M22.

Ultrasonic Sensors

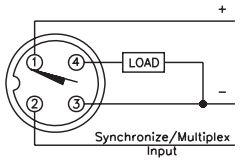
Housing Style	Part Number	ID Number	Sensor Operating Mode	Rated Oper. Distance(cm)	Adjustment Method	Sonic Cone Angle	Output
18 mm - Embeddable, *eurofast*® Connection 	RU30-M18-AP8X-H1141	M1810000	D	**5-30**	Pot.	6°	**4-Wire DC PNP**
	RU100-M18-AP8X-H1141	M1810200	D	**15-100**	Pot.	6°	
	RU30-M18-LIX-H1141	M1810005	D	**5-30**	Pot.	6°	**4-Wire DC Analog 4-20 mA Current**
	RU100-M18-LIX-H1141	M1810205	D	**15-100**	Pot.	6°	
30 mm - Embeddable, *eurofast* Connection 	RU30-M30-AP8X-H1141	M1830000	D	**6-30**	Pot.	6°	**3-Wire DC PNP**
	RU100-M30-AP8X-H1141	M1830200	D	**20-130**	Pot.	6°	
	RUC130-M30-LIAP8X-H1151	M1840230	D	**20-130**	Pot.	6°	**5-Wire DC PNP Analog 4-20 mA**
	RUC30-M30-AN8X-H1141	M1840001	D	**6-30**	Pot.	6°	**4-Wire DC NPN**
	RUC30-M30-2AP8X-H1151	M1840020	D	**6-30**	Pot.	6°	**5-Wire DC PNP**
	RUC130-M30-2AP8X-H1151	M1840220	D	**20-130**	Pot.	6°	

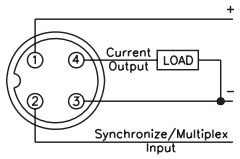
Sensor operating mode:
D = Diffused
R = Retro-reflective
Adjustment method:
Pot. = Potentiometer
4-wire DC sensors can be programmed with a RU-DPI programming kit.

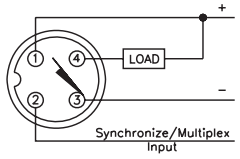
For detailed Sensor Specifications see Section M.
Normally Closed Versions available upon request, consult factory.

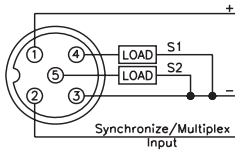
TURCK mold-on connectors available on all cable sensors. See page A5.

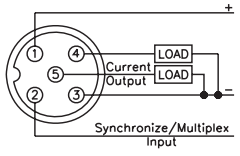
Voltage	Switching Freq. (Hz)	Continuous Load Current (mA)	Operating Temp. (°C)	Protection	Housing	Transducer	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
20-30 VDC	5	≤150	-25 to +70	IP 67	CPB	E/PU/PBT	N/A	YE	RK 4.4T-*	1	Diagram 1
	4	≤150	-25 to +70	IP 67	CPB	E/PU/PBT	N/A	YE	RK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







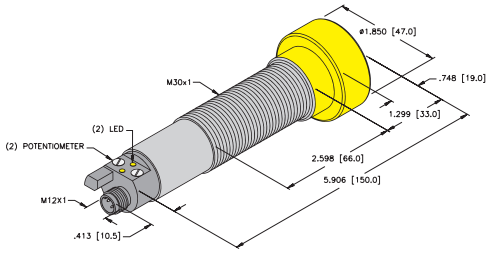
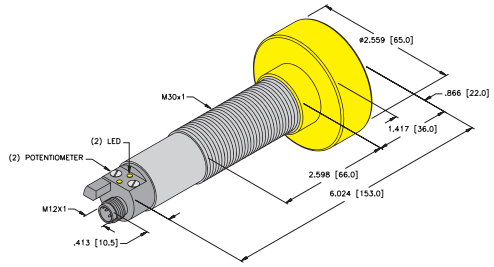




* Length in meters.

For material descriptions see page M22.

Ultrasonic Sensors

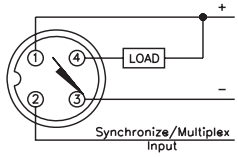
Housing Style	Part Number	ID Number	Sensor Operating Mode	Rated Oper. Distance(cm)	Adjustment Method	Sonic Cone Angle	Output
47 mm - Embeddable, *eurofast*® Connection 	RUC300-M3047-AP8X-H1141	M1840400	D	**40-300**	Pot.	6°	**4-Wire DC PNP**
	RUC300-M3047-2AP8X-H1151	M1840420	D	**40-300**	Pot.	6°	**5-Wire DC PNP**
65 mm - Embeddable, *eurofast* Connection 	RU600-M3065-AP8X-H1141	M1830400	D	**60-600**	Pot.	6°	**3-Wire DC PNP**
	RUC600-M3065-AP8X-H1141	M1840600	D	**60-600**	Pot.	6°	**4-Wire DC PNP**
	RUC600-M3065-2AP8X-H1151	M1840620	D	**60-600**	Pot.	6°	**5-Wire DC PNP**

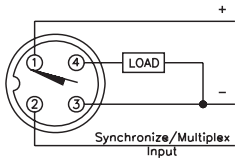
Sensor operating mode:
D = Diffused
R = Retro-reflective
Adjustment method:
Pot. = Potentiometer
4-wire DC sensors can be programmed with a RU-PDI programming kit.

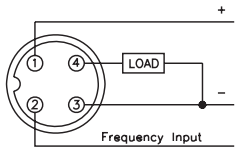
For detailed Sensor Specifications see Section M.
Normally Closed Versions available upon request, consult factory.

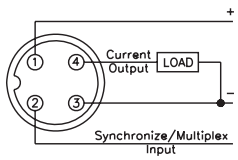
TURCK mold-on connectors available on all cable sensors. See page A5.

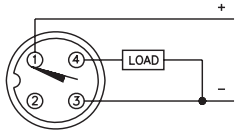
Voltage	Switching Freq. (Hz)	Continuous Load Current (mA)	Operating Temp. (°C)	Protection	Housing	Transducer	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
20-30 VDC	2	≤300	-25 to +70	IP 67	CPB	E/PU/PBT	N/A	YE	RKK 4.4T-*	2	Diagram 1
20-30 VDC	2	≤300	-25 to +70	IP 67	CPB	E/PU/PBT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

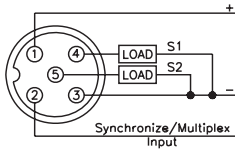












* Length in meters.

For material descriptions see page M22.