

Through the Roller Sensor Family



Datasheet



- Reliable leading edge detection of letters, thin packages, poly bags, totes, boxes or other product on roller conveyors
- Mounts between conveyor roller gap to standard hex or round side rail holes with no extra hardware required or on the T-Slot with customer supplied bracket and hardware
- Spring loaded end caps reduce installation and alignment time for reduced labor costs
- Built to order with specified length and beam spacing: 200 mm to 965 mm (8 in to 38 in) with 2 to 7 sensors for maximum flexibility
- Robust aluminum housing, ambient light and ESD resistance for enhanced durability



WARNING:

- **Do not use this device for personnel protection**
- Using this device for personnel protection could result in serious injury or death.
- This device does not include the self-checking redundant circuitry necessary to allow its use in personnel safety applications. A device failure or malfunction can cause either an energized (on) or de-energized (off) output condition.

Models

Model Name	Between Frame Distance (mm)	Output Type	Special Feature	Beam Spacing	No. of Beams	End Cap Style	Cable Length (m)	Connector Style	First Beam Distance from Cable End Cap (mm)
TTR	384	AP	S	A	6	T	2.0	FL	CTR
	200 mm - 965 mm	BM = Bimodal AP = Light Operate PNP AN = Light Operate NPN RP = Dark Operate PNP RN = Dark Operate NPN	S = Standard G = Ground Strap	A = 54 mm B = 93.1 mm C = 108 mm D = 162 mm E = 186.2 mm	1,2,3,4,5,6,7	A,B,C,D,E,F,G,T	0.5 m, 1.0 m, 2.0 m	FL = Flying Leads RJ = RJ11 Q5 = M12 Q3 = M8	CTR = Beams centered between frames 059-200 = First beam distance from cable end cap
Model Name = TTR 384 AP S A 6 T - 2.0 FL - CTR									



Note: For definition of the End Cap Styles, see [Table 1](#) on p. 2.

Configurations

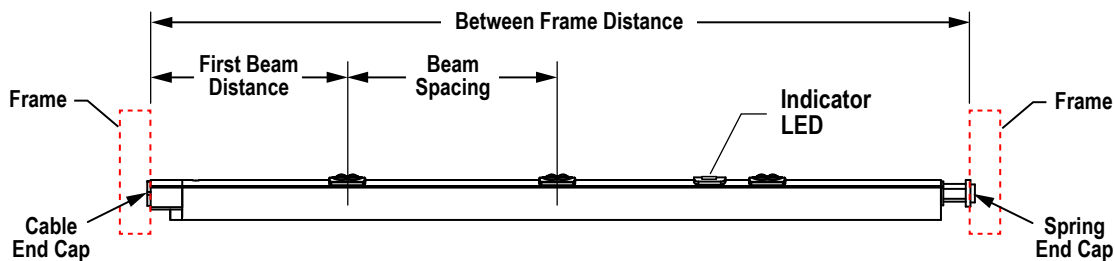


Figure 1. Spring End Cap Configuration



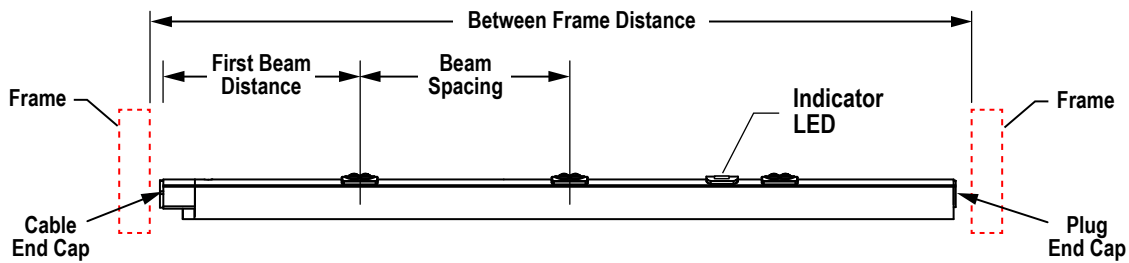


Figure 2. T-Slot Configuration

Table 1: End Cap Styles

End Cap Style	End 1		End 2	
A	11 mm Hex, flat side up		Spring 11 mm hex / 8 mm round	
B	11 mm Hex, point up		Spring 11 mm hex / 8 mm round	
C	Adjustable 11 mm Hex, can be positioned in 10 degree increments		Spring 11 mm hex / 8 mm round	
D	11 mm Hex, flat side up		Spring 8 mm round	
E	11 mm Hex, point up		Spring 8 mm round	
F	Adjustable 11 mm Hex, can be positioned in 10 degree increments		Spring 8 mm round	
G	Adjustable 11 mm Hex, can be positioned in 10 degree increments / adhesive backed bracket		Spring 11 mm hex / 8 mm round / adhesive backed bracket	
T	11 mm Hex, flat side up		Plug	



Note: T-Slot mounted sensors with the T End Cap Style are 6 mm shorter than the specified Between Frame Distance.