

## DATALOGIC - TLU - CONTRAST SENSORS

TLU-111

964401080 Print Reg Red/Green Vert Spot PNP 2m  
Cable

- Red/green or white LED
- Touch to teach
- Cable or rotatable M12 5-pole connector
- 20KHz switching frequency



### PRODUCT DESCRIPTION

The TLU contrast sensor series offers solutions for all detection applications of register mark. The microprocessor-based setting can be either 'Teach-in' using two push-buttons or 'Remote' by cable. The LED emission can be red/green with automatic selection, or white offering the possibility of operating on all contrasts.

Models with interchangeable 9mm or 18mm lenses are available, and 22, 28 and 50mm lenses are supplied as accessories. Many different fibre optic models are available. The output is PNP or NPN according to the selected model, but can always be selected using an internal switch. An analogue output proportional to the received light is also present.

#### Features & Benefits:

- Red/Green or White emission: high detection reliability and resolution
- Teach-in push-button: fast and easy setting
- 20KHz switching frequency: precise and repeatability reading
- Cable or rotatable M12 5-pole connector: adaptability to the mechanical part of the plant

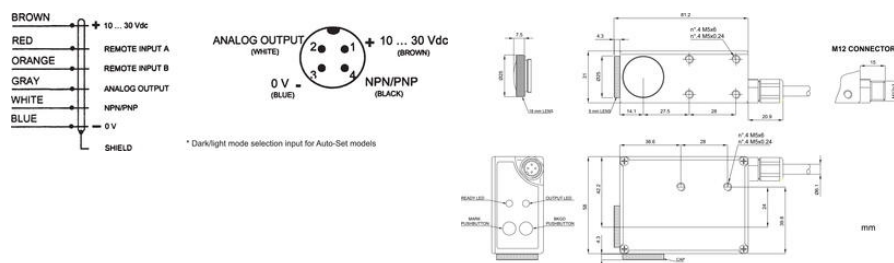
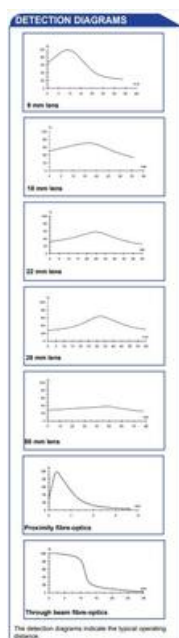
#### Applications:

- Packaging lines
- Paper and Printing machines
- Automatic filling machines

### SPECIFICATIONS

<b>Approvals</b>	CE, UL
<b>Cable length</b>	3000 mm
<b>Distance Max</b>	12 mm
<b>Distance Min</b>	6 mm
<b>Electrical connection</b>	Pre-cabled 3m
<b>Function</b>	Dark On/Light On

IP Class	IP67
LED indicator	Yes
Lens material	Glass
Light type	Green LED, Red LED
Material of body	Zink
Output	PNP
Output current max	0.2 A
Photocell technology	Contrast
Power consumption max	0.08 A
Reaction time	0.05 ms
Supply voltage	10-30 V DC
Temperature range bearing, from	-20 °C
Temperature range bearing, to	70 °C
Temperature range from	-10 °C
Temperature range to	55 °C
Type of light	LED
Weight	450 g



## DETECTION DIAGRAMS

