

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

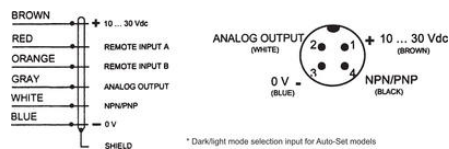
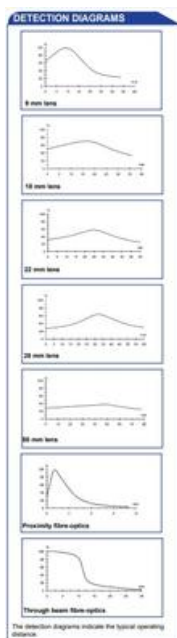
Applications:

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

TECHNICAL DATA

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|------------------------------|--------------------|
| Approvals | CE, UL |
| Cable length | 3000 mm |
| Distance max | 12 mm |
| Distance min | 6 mm |
| Electrical connection | Pre-cabled 3m |
| Function | Dark on / Light on |

| | |
|-----------------------------|--------------------|
| IP class | IP67 |
| LED indicator | Yes |
| Lens material | Glass |
| Light type | Green LED, Red LED |
| Material of body | Zinc |
| Output | PNP |
| Output current max | 0,2 A |
| Photocell technology | Contrast |
| Power consumption max | 0,08 A |
| Reaction time | 0,05 ms |
| Storage temperature max | 70 °C |
| Storage temperature min | -20 °C |
| Supply voltage | 10-30 V DC |
| Temperature operational max | 55 °C |
| Temperature operational min | -10 °C |
| Type of light | LED |
| Weight | 450 g |



* Dark/light mode selection input for Auto-Set models

