

SCANMEG

Type PROX

1 in.

Accuracy

25 mm



Area PROXIMITY scanner

- Watertight casing
- Up to 3500 scans/sec.
- LED detection status for each cell
- A single cable connects the Area PROX
- REM I/O module displays cell status
- Programmable Truth Table (REM I/O)

Model
PROX

Length

8 in.	20 cm
16 in.	40 cm
24 in.	60 cm
32 in.	80 cm
40 in.	100 cm
48 in.	120 cm
56 in.	140 cm
64 in.	160 cm

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Minimum Object

1 in. 2.5mm

Power supply

12 to 24 Volts DC

Operating temperature

Min.: 14°F -10°C

Max.: 120°F 50°C

Maximum Consumption

PROX-8 320 mA

PROX-32 470 mA

PROX-64 670 mA

Detection range

18 in. 45 cm

Maximum Scan rate

(scans/sec.)

PROX-8: 4000

PROX-32: 1200

PROX-64: 575

Output Interface

NPN

4-20 mA

Gone is the time when one needed several photocells for a singulator infeed. Connect an Area PROX of a suitable length to the rail mounted Remote I/O controller. Now at every inch, the status of each and every cell along the length of the Area PROX Scanner is displayed. Only one cable connects the Area PROX to the REM I/O module. Ideally suitable for a singulator infeed.

PROX Model

The PROX scanner detects objects from its reflected light. Each sensor cell of this scanner is made of one emitter and one receiver. The receiver cell detects reflected light when its emitter cell is lighted up. A single cable (6 wires) connects the Area PROX to the REM I/O to transfer the status of each cell; reducing tremendously the number of cables needed in a standard multiple proximity photocells installation. All interconnections are done at the junction box near the control panel. A very simple truth table implemented in the REM I/O module allows one to reduce the number of outputs by associating as many cells as needed on any given NPN output.

Module REM I/O



The REM I/O module displays the status of each cell of the PROX scanner. Each cell present in the scanner is associated to one L.E.D. on the REM I/O module to display its status.

The REM I/O module has a maximum of 64 NPN outputs for connection to a PLC (Programmable Logic controller).

A truth table links each cell of the scanner to any of the 64 NPN outputs available on the REM I/O module. Each output represents the status of one cell or the status of a number of cells. Each output is programmable independently from one another.



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