

PHOTOELECTRIC SENSORS (BLOCK TYPE)

These block type sensors are available in Diffused, Through Beam and Retro-Reflective types with sensing range varies from 100 mm to 5 Mtrs. The technical specifications are similar to standard cylindrical sensors but useful when mounting space is a constraint.



TYPE	DIMENSION (H X W X D)	SENSING RANGE
Diffused Beam	40 X 16 X 54mm	100 / 200 / 300mm
Through Beam	40 X 16 X 54mm	1Mtr / 2Mtrs / 3Mtrs / 5 Mtrs
Retro Reflective	40 X 16 X 54mm	300mm / 1Mtr / 5 Mtrs

TECHNICAL CHARACTERISTICS :

Response Time	:	5 msec
Switching Frequency	:	100 Hz
Operating Voltage	:	10 - 30 VDC
Maximum Load Current	:	100 mA
Output	:	NPN or PNP
Maximum Current consumption	:	24 mA (OFF)
@ 24V DC (No Load)		34 mA (ON)
Voltage Drop	:	1 V Max
Short Circuit Protection	:	Provided
LED Indicator	:	Provided
Temperature Limit	:	0 - 55° C
Cable	:	2 Mtrs (std.)

ORDERING CODE DIFFUSED BEAM

A Type	B Load Technique	C Load Logic	D Sn
PDB40	P - PNP	O - NO	100
PDB40	N - NPN	C - NC	200
PDB40			300

ORDERING CODE THROUGH BEAM

A Type	B Load Technique	C Load Logic	D Sn
PTB40	P - PNP	O - NO	1K
PTB40	N - NPN	C - NC	2K
PTB40			3K
PTB40			5K

ORDERING CODE RETRO REFLECTIVE BEAM

A Type	B Load Technique	C Load Logic	D Sn
PRB40	P - PNP	O - NO	300
PRB40	N - NPN	C - NC	1K
PRB40			5K