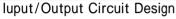


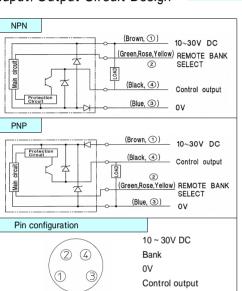
www.optex-ramco.com Specification

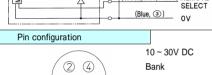
Phone 800-280-6933

T	Cable type	M8 Connector type		
Туре	DM-18T (N,P)	DM-18TC (N,P)		
Scanning range	18mm ± 2mm			
Supply voltage	DC10 ~ 30V including 10% ripple (P-P)			
Current consumption	40mA max.			
Response time	Mark mode: 0.25/0.5/1.2ms selectable	Color mode: 0.8/1.6/4ms selectable		
Timer	Off delay / On delay / One shot delay (10msec increment :0-1,000msec, 1sec increment for 1-10sec)			
Light source	R (634nm) / G (517nm) / B (469nm)			
Light Source	Mark mode :1 color (selected by teaching) Color mode :RGB automatic sele			
Indicator	Output indicator (Orange LED), Stable indicator (Green LED)			
Digital indicator	7 segment, 3 digits LED Green :Ba	ank No. Red Function, Status		
Control output	NPN/PNP Open collector 100mA max./ DC30V			
Operation mode	Light ON / Dark ON selectable			
Teaching	g Mark mode 2 point teach / Auto teach Color mode :1 point teach			
Bank	8 bank			
Protection category/ material	IEC IP67 / Housing : heat-resistant ABS(antibacterial) Front cover : PMMA Button : TEEE			
Weight	cable type: about 75g / connector type: about 20g			

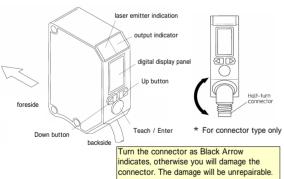


this manual and operate correctly as mentioned. You should keep this manual at hand for proper use.





Parts Name



Status Indicator					
	Color mode	Mark mode			
RUN mode	Indicate matching level compare to teaching color.	indicates amount of incoming light.			
Thresh level adjust mode	After teaching, thresh	Indicate thresh level. After teaching, thresh lebel is 50.			
Function select mode	Indicate selectable function.				

Warnings

For safety use

Warm-up period (approx. 100 msec) must be secured

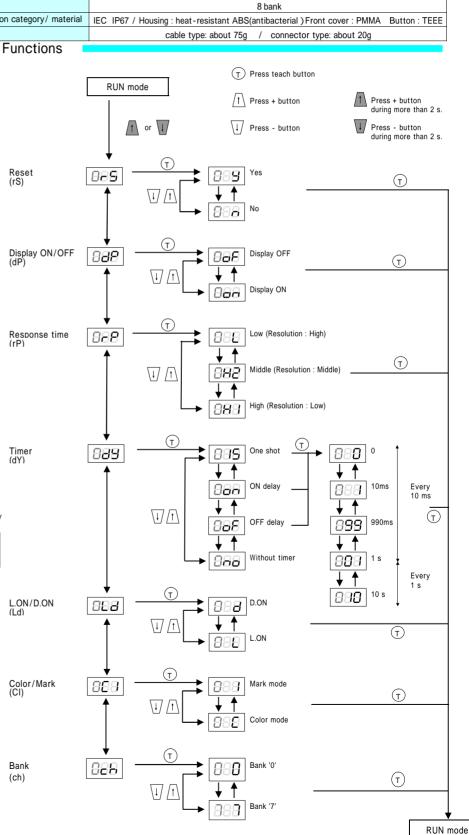
Should avoid to use sensor outside or at the place where receiver is

influenced by environmental illuminance directly

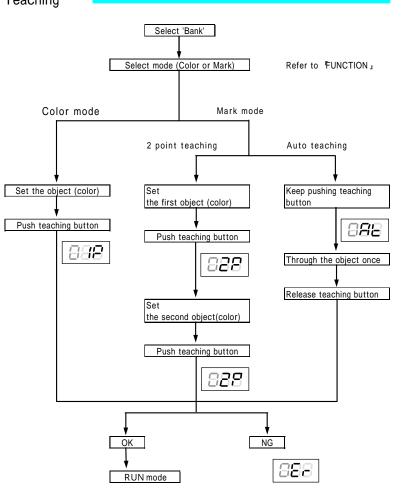
Use of controls or adjustments or performance of procedures

other than the specified herein may result in hazardous radiation exposure.

! Must not use this item as safety equipment for the purpose of human body protection.



Response time, L.ON/D.ON, Color/Mark mode can be set for each Bank.



Press Up or Down button Display start blinking Adjust thresh lebel by Up or Down button Press teach button, then back to RUN status

If without pressing Teach button, it goes back to RUN automatically after 10 sec.

Remote Bank Selection

Cable type

Threshold

Cable type			
Bank No.	Green	Rose	Yellow
0	0	0	0
1	0	0	1
2	0	1	0
3	0	1	1
4	1	0	0
5	1	0	1
6	1	1	0
7	1	1	1

L.ON/D.ON

Color mode

L.ON Output is active when matched D.ON Output is active when un-matched

Mark mode

L.ON Output is active for high reflection D.ON Output is active for low reflection

When 2 point teach, the 1st selected color will be ON.

Key lock

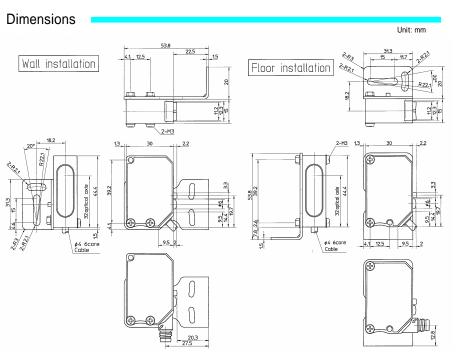
Press both Up and Down button simultaneously for more than 2 sec. (Same procedure for unlock.)

Connector type		
Bank No.	No. 2 pin	
0	0	
1	1	

Connector type can select only 1 and 2 by remoto selection.

(Function select by button is 8 banks.)

0	NPN	Open or connect to +V
U	PNP	Open or connect to 0V
1	NPN	Connect to 0V
	PNP	Connect to +V



Specifications and equipment are subject to change without any obligations on the part of manufacture.

For more information, questions and comments regarding products, please contact us below.

Manufactured and sold by :



607-8085 Kyoto, Yamashina,Takehanadonomaecho 46-1, JAPAN Tel: +81-(0)75-594-8123

Fax: +81-(0)75-594-8124