

D SERIES

DM-18T_□

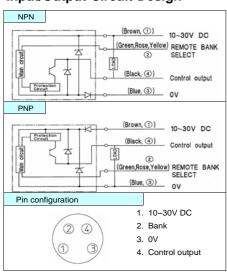
INSTRUCTION MANUAL

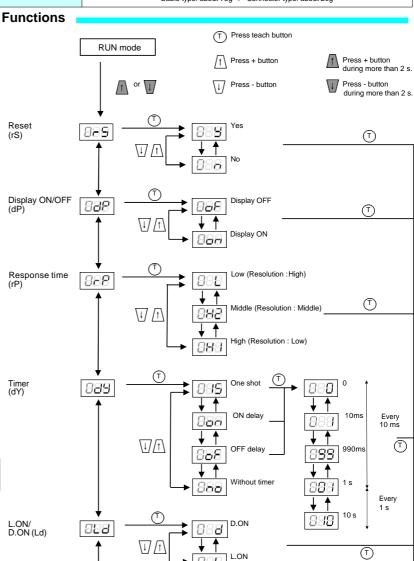
- Confirm if the item meets yourneeds.
- Before the use, you should first thoroughly read this manual and operate correctly as mentioned
- You should keep this manual at hand for proper use.

Specification

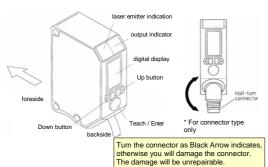
	Cable type	M8 Connector type	
Туре	DM-18T (N,P)	DM-18TC (N,P)	
Scanning range	18mm ± 2mm		
Supply voltage	DC10 ~ 30V including 10% ripple (P-P)		
Current consumption	40mA max.		
Response time	Mark mode: 0.25/0.5/1.2ms selectable	Color mode: 0.8/1.6/4ms selectable	
Timer	Off delay / On delay / One shot delay (10msec increment :0-1,000msec, 1sec increment for 1-10sec)		
Light source	R (634nm) / G (517nm) / B (469nm)		
	Mark mode: 1 color (selected by teaching)	Color mode: RGB automatic selection	
Indicator	Output indicator (Orange LED), Stable indicator (Green LED)		
Digital indicator	7 segment, 3 digit LED Green: Bank No. Red: Function, Status		
Control output	NPN/PNP Open collector100mA max./ DC30V		
Operation mode	Light ON / Dark ON selectable		
Teaching	Mark mode: 2 point teach / Auto teach	ch 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		

Input/Output Circuit Design





Parts Name



Status Indica	Status Indicator				
	Color mode	Mark mode			
RUN mode	Indicates matching level compare to teaching color.	Indicates amount of incoming light			
Thresh level adjust mode	Indicate thresh level. After teaching, thresh level is 80.	Indicate thresh level. After teaching, thresh level is 50.			
Function select mode	Indicate selectable function.				

Warnings

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For proper use

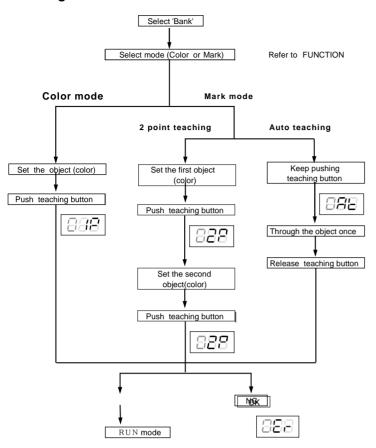
- Warm-up period (approx. 100 msec) must be secured.
- Should avoid using the sensor outside or at the place where receiver is influenced by environmental illuminance directly.
- Gaps in indicated values and detection features are possible due to dispersion
- - Must not use this item as safety equipment for the purpose of human body protection.

Color/Mark

Bank (ch)

(T)

Teaching



L.ON / D. ON

Colormode

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

Mark mode

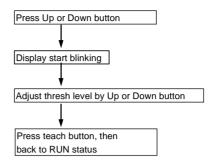
L.ON Output is active for high reflection D.ON Output is active for low reflection

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.)

Manual Adjustment of Threshold



If you don't press the Teach button, it will go back to RUN after 10 seconds.

Remote Bank Selection

Cable type

	042.01,70		
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

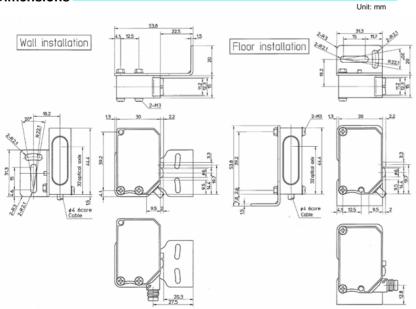
Connector type

0000to. typo	
Bank No.	No. 2 pin
0	0
1	1

Connector type can select only 1 and 2 by remote selection. (Function select by button is 8 banks.)

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

Dimensions



- 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 :



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