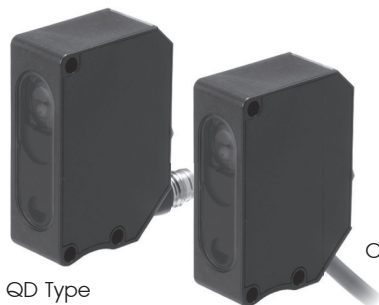


คุณสมบัติ



M8 QD Type

Cable Type

- DM-18T-SERIES เป็น Color Mark Sensor เหมาะสำหรับงาน Mark Color
- มีโหมดการทำงาน 2 แบบ คือ Mark Detection Mode และ Color Mode
- มีแหล่งกำเนิดแสงภายในตัว : สีแดง, สีเขียว, สีน้ำเงิน
- สามารถเก็บข้อมูลได้สูงสุด 8 โปรแกรม
- ระดับการป้องกัน IP67

ข้อมูลทางเทคนิค

Model	Mark / RGB Color type
Cable type	DM-18TN (or 18TP)
M8 connector type	DM-18TCN (or 18TCP)
Sensing distance	18 +/- 2mm
Spot size	1 X 6 mm/18mm
Range adjustment	Teach-in
Supply voltage	DC10-30V including 10% ripple (P-P)
Current consumption	35mA (12V), 25mA (24V)
Response time	Mark mode : H1/250µs, H2/500µs, L/1200µs Color mode : H1/800µs, H2/1600µs, L/4000µs
Timer	Off delay/On delay/One shot delay (10msec increment : 0-990msec, 1sec increment for 1-10 sec)
Light source	RGB LED
LED Indicator	Output indicator (orange), Stable detection (green)
Digital indicator	7 segment, 3 digit Red and Green LED
Control output	NPN or PNP open collector DC30V 100mA max
Operation mode	Light/Dark On selectable
Operating temp / humidity	-25 to 55 °C / 35-95% RH
Insulation resistance	20M Ohm or more (at 500V DC)
Protection category	IP67
Noise resistance	IEC, CE
Shock resistance	50G (500m/S ²) , XYZ 3 directions
Environmental illuminance	Sunlight : 10,000 lux, Incandescent lamp : 3,000 lux max
Material	Anti-bacterial ABS (housing), PMMA (lens)

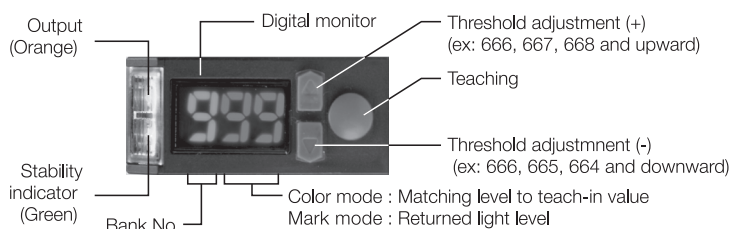
Store up to 8 sets of parameters Color/Mark Sensor

The DM-18T is able to store 8 complete sets of parameters (banks) for quick product changeover. The desired bank can be selected remotely via the three remote inputs.

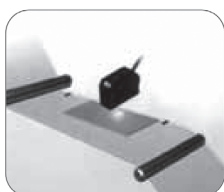
Bank No.	Wire color		
	Green	Rose	Yellow
1	0	0	0
2	0	0	1
3	0	1	0
4	0	1	1
5	1	0	0
6	1	0	1
7	1	1	0
8	1	1	1

Remarks : 0 = Connect to +V, or leave open
1 = Connect to 0V

Pushbutton Teach with Fine Adjustment



Application



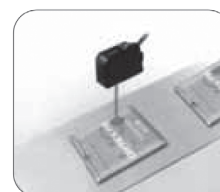
Registration mark on transparent film



Synchronizing sensor for vision sensor CVS



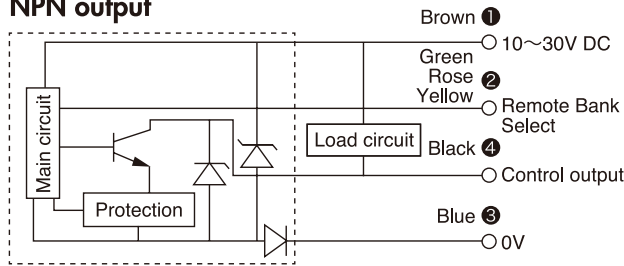
Color mark on laminate tube



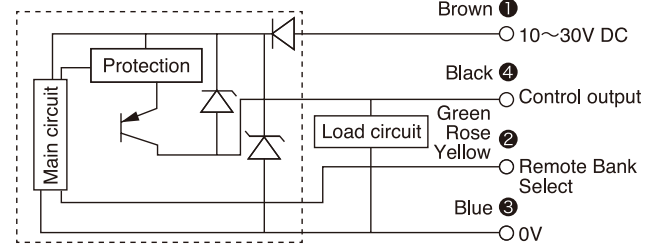
Mark on multicolored print

การต่อใช้งาน

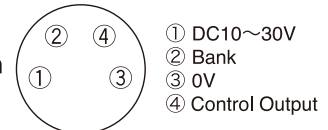
NPN output



PNP output

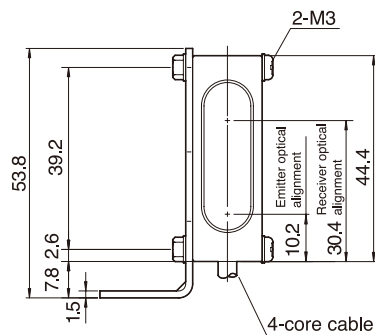


4 Pin configuration

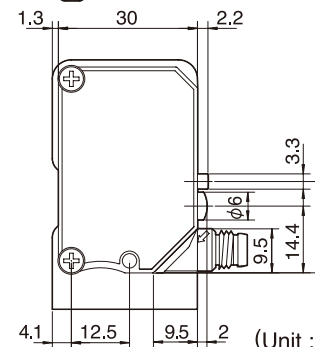
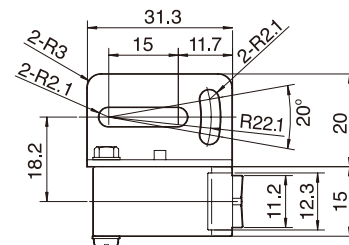
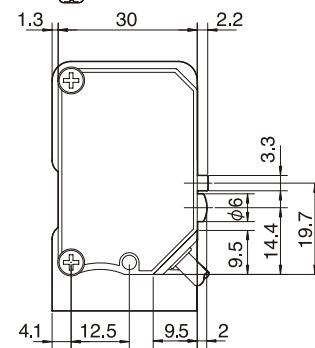
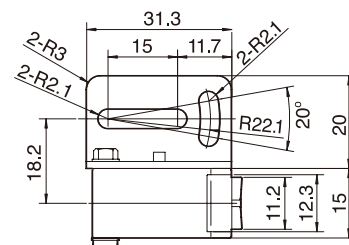
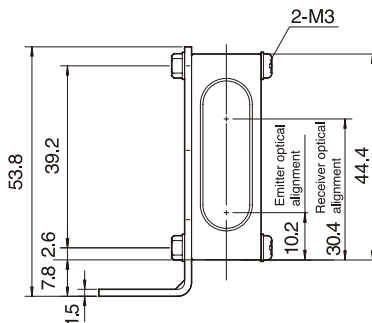


ขนาดและมิติ

Cable type sensor with bracket



Connector type sensor with bracket



(Unit : mm)

Options

JCN-S : M8 Straight type



JCN-S : 2 meter
JCN-5S : 5 meter
JCN-10S : 10 meter

JCN-L : L-shape M8 type



JCN-L : 2 meter
JCN-5L : 5 meter
JCN-10L : 10 meter