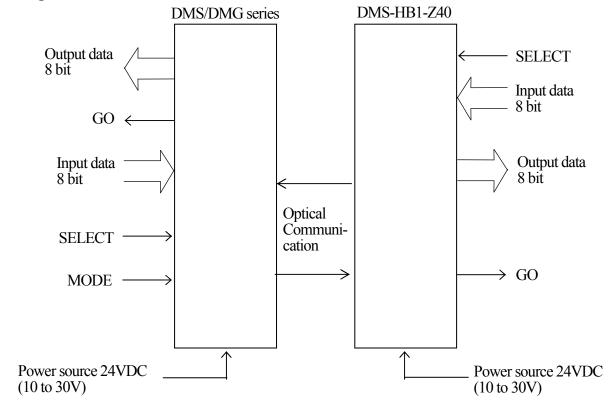
	(WIT	TICAL DA TH PROJE D-SUB CO	SPECIFIC DMS-H (with IF ATA TRAN ECTING A DNNECTO TION ST	B1-Z40 R filter) NSMIS AMOU OR & 0) SION NT AI CABL	DJUST Æ 5M)	ER,	Apr. 24th'09
							<u> </u>	
Symbol		Amended	reason		Pages	Date	Corrector	Amended No.
Approved by	Checked by	Drawn by	Designed by	m*.1			Transmissio	
		-	HAYASHIYA	Title		DMS-HB1-		fications
			ПАТАЗНІТА	Drawing No.	(C-42-366	0A	1/5

1. General

This is a 8-bit type data transmission device with countermeasures against disturbance light. Characteristics against disturbance light is improved because optical filer(IR-82) is attached to inner optical cover and light with 820nm or less of wavelength is shut out.

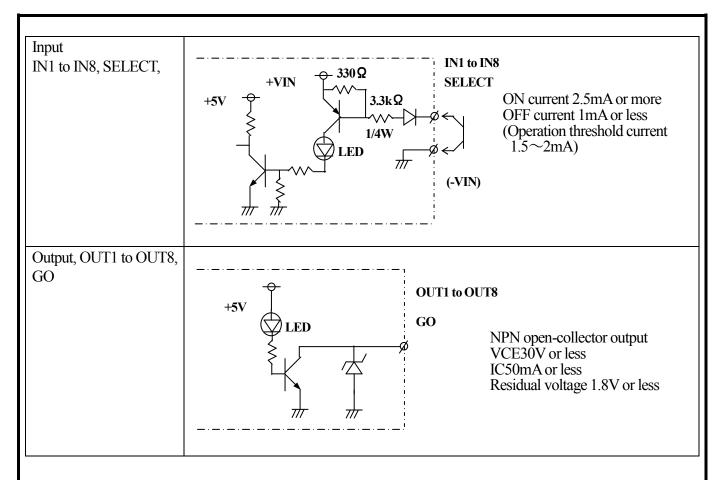
2. Configuration



3. Specifications

DMS-HB1-Z40
1.0m(Changeable by adjuster)
30 degrees(Full angle)
SIDE-ON
8 bits/8 bits
Half-duplex two-way transmission
40msec
Pulse modulation
Parity check
24VDC(10~30V)
100mA Max.
4,000lux or less
-10∼50°C/85%RH or less
Double amplitude 1.5mm, 10 to 55Hz, Each 2 hour in X, Y and Z directions
500m/s ² Each 10 times in X, Y and Z directions
D-sub connector with 25 pins
IP64(excluding the connector)

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1100	DMS-HB1-Z40 Specifications	No.	C 12 300011	213

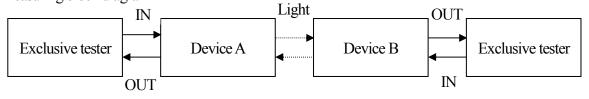


4. Transmission characteristics

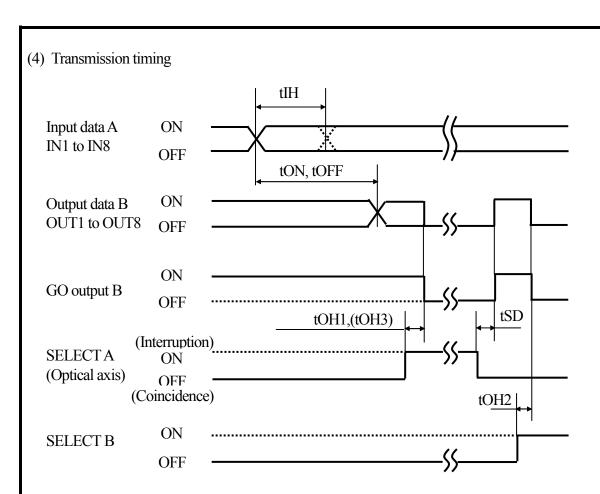
(1) Characteristics data Unit(msec)

Items	Symbols	MIN	MAX
Input data holding time	tIH	30	-
Transmission time	tON, tOFF	13	40
Transmission starting delay time	tSD	30	110
(Against optical axis coincidence)	ISD	30	110
Output holding time(Against SELECTA)	tOH1	50	90
Output holding time(Against SELECT B)	tOH2	- 1	5
Output holding time(Against light-interruption)	tOH3	50	90

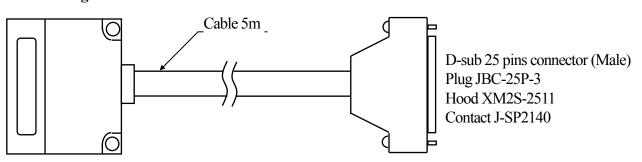
- (2) Characteristics measuring condition
 - *Mode: Side A Reception stand-by mode, Side B Transmission stand-by mode
 - *It was measured under input(side A) and output(side B).
- (3) Measuring block diagram



Title	Optical Data Transmission Device	Drawing	C 12 3660A	2/5
	DMS-HB1-Z40 Specifications	No.	C-42-3000A	3/3



5. External wiring



Colors	Pin No.	Functions
Brown	1	IN1
Red	2	IN2
Orange	3	IN3
Yellow	4	IN4
Green	5	IN5
Blue	6	IN6
Purple	7	IN7
Gray	8	IN8
White	10	SELECT
	11	
White/black	12	GO

Colors	Pin No.	Functions	
Brown/black	14	OUT1	
Red/black	15	OUT2	
Orange/black	16	OUT3	
Yellow/black	17	OUT4	
Green/black	18	OUT5	
Blue/black	19	OUT6	
Purple/black	20	OUT7	
Gray/black	21	OUT8	
Pink/black	23	+VIN	
	22	+VIN	
Pale blue/black	24	-VIN	
Pink		- 1111	
Pale blue	25	COM	
· · · · · · · · · · · · · · · · · · ·			

Pin No.22 is connected to pin No.23 inside.

Title	Optical Data Transmission Device	Drawing	C-42-3660A	4/5
Tiue	DMS-HB1-Z40 Specifications	No.	C-42-3000A	4/3

5. Function for each terminal Functions **Terminals** IN1 to IN8 Input data OUT1 to OUT8 Output data It is shorted to COM: Transmission/reception is stopped **SELECT** It is opened: Transmission/reception is operated It is fixed to reception standby mode **MODE** It is ON when normal data was received and OFF when light was interrupted GO **COM** Common for input/output +VIN +24V(10 to 30V) Power source -VIN 0VNote) Make sure to set other one to transmission standby mode. Optical Data Transmission Device Drawing 5/5 Title C-42-3660A DMS-HB1-Z40 Specifications No.