## SPECIFICATIONS

# OPTICAL DATA TRANSMISSION DEVICE (WITH PROJECTION AMOUNT ADJUSTER) Withstanding high-Frequency wave noise Cable 10m length with D-sub connector

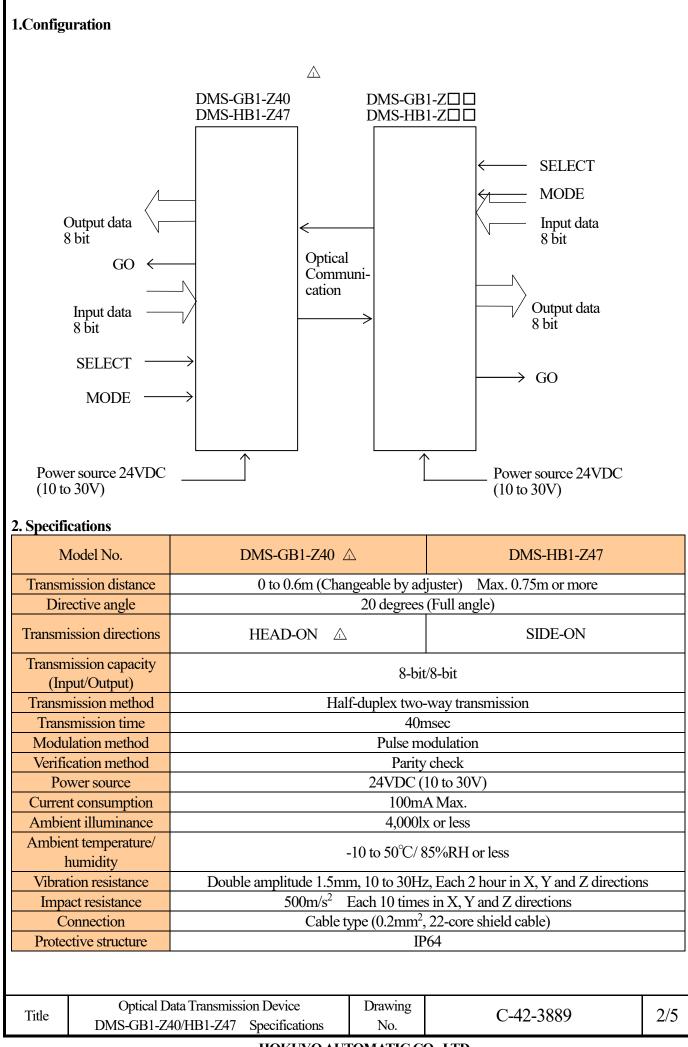
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DMS-GB1-Z40 DMS-HB1-Z47

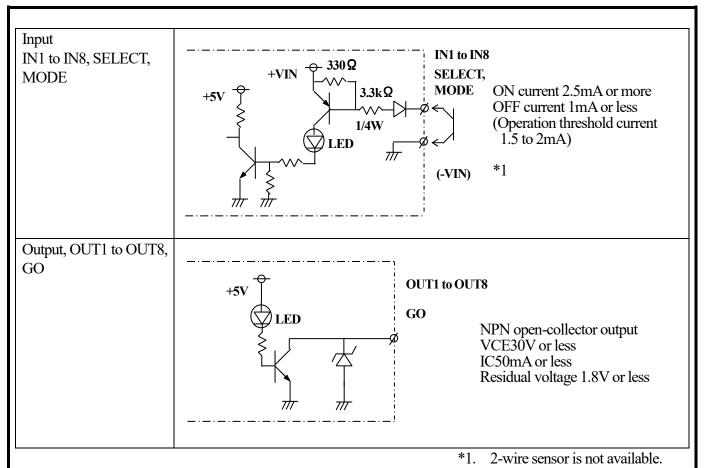
Corresponding to SI unit

riangle  imes 5	Update of the cable length and added the Head-ON model				1 - 4	Feb.10,'12	Iguchi	FA-7030
Symbol	Amended reason			Pages	Date	Corrector	Amended No.	
Approved by	Checked by	Drawn by	Designed by	Title	Optical Data Transmission Device			Device
	HINO	IGUCHI	IGUCHI	The	DMS-GB1-Z40/HB1-Z47 Specifications			
МАЕЛІМА				Drawing No.		C-42-3889		1/5

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Note)

This model has 0.6m transmission distance, however it might be shorter depending on the DMSs spec which communicates with. For example of the spec in the case :

\* DMSs provided ND/IR filter

\* DMSs adjusted the light projection volume to the minimum

Please check the spec and setting condition of the other side DMSs which communicates with this model.

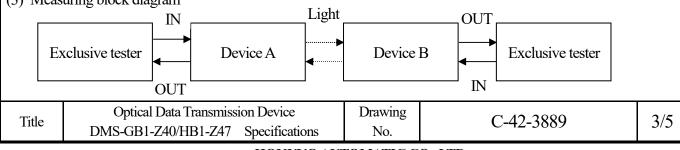
### 3. Transmission characteristics

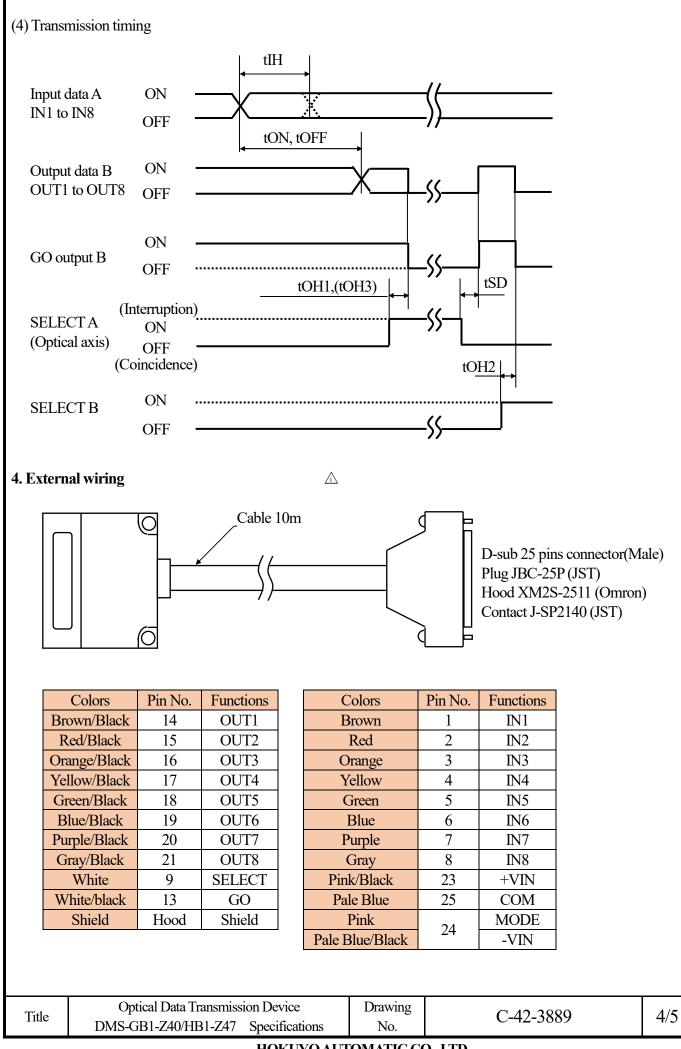
(1) Characteristics data			Unit(msec)	
Items	Symbols	MIN	MAX	
Input data holding time	tIH	30	-	
Transmission time	tON, tOFF	13	40	
Transmission starting delay time	tSD	30	110	
(Against optical axis coincidence)	1.5D	30	110	
Output holding time (Against SELECT A)	tOH1	50	90	
Output holding time (Against SELECT B)	tOH2	-	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





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5.Function for each term	inal			
Terminals	Functions			
IN1 to IN8	Input data			
OUT1 to OUT8	Output data			
SELECT	It is shorted to COM : Transmission/Reception is stopped			
SELEC I	It is opened : Transmission/Reception is operated			
MODE	It is opened : Transmission standby mode			
MODE	It is shorted to COM : Reception standby mode			
GO	It is ON when normal data was received and OFF when light was interrupted			
COM	Common for input/output			
+VIN	+24V(10 to 30V)	Power source		
-VIN	0V	Power source		

Note)

This model is set to Reception standby mode. Please set the other side DMSs which communicates with this model to Transmission standby mode

Title	Optical Data Transmission Device	Drawing	C 12 2880	5/5
	DMS-GB1-Z40/HB1-Z47 Specifications	No.	C-42-3889	