Aug.6th'03

# **SPECIFICATIONS**

## DM 4 BIT TYPE COMMUNICATION COMPATIBLE DEVICE FOR MAINTENANCE

# DMS-GA1-C(HEAD-ON) DMS-HA1-C(SIDE-ON)

Symbol	Amended reason					Date	Corrector	Amended No.
Approved by	Checked by	Drawn by	Designed by	Title	DM 4 Bit Type Communication Compatible Device			
	KAMITANI	ОЛМА	ОЛМА	The	DMS-GA1/HA1-C Specifications			
MAEJIMA				Drawing No.	C-42-3257 1/5			1/5







Colors	Pin No.	Functions	
Black	1	IN1	
Brown	2	IN2	
Red	3	IN3	
Orange	4	IN4	
White/yellow	5	MODE	
Yellow	6	SELECT	
White/blue	7	NC	
Green	8	OUT1	
Blue	9	OUT2	
Purple	10	OUT3	
Gray	11	OUT4	
White	12	GO	
Yellow/green	13	COM(0V)	
Yellow/red	14	+VIN	
Yellow/black	15	-VIN(0V)	
Shield	Shield		

(Note) No.13 is connected to No.15 inside.

#### 5. Function for each terminal

Terminals	Functions			
IN1 to IN 4	4 Input data			
OUT1 to OUT4	Output data			
SELECT	It is shorted to COM : Transmission/reception is stopped It is opened : Transmission/reception is operated			
MODE	It is opened : Transmission standby 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)	Dower source		
-VIN	0V	Power source		

Note) Make sure to set other one to reception standby mode.

#### 6. Difference between DM-GA1/HA1 and this type

This new type is basically the same specifications as DM-GA1/HA1 regarding optical communication and it is possible to communicate. However, pay attention of the following points:-

- a) External dimension is the same as DMS series and it is different from DM-GA1/HA1.
- b) Input part becomes pulse oscillating state because a current flows by inner processing only when input reads-in.
- c) Cable with white/blue is not connected.(It isn't connected to COM(0V))
- d) It can adjust communicating distance with light-projecting adjuster.(This isn't sensitivity adjuster)