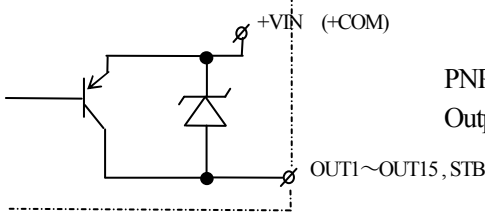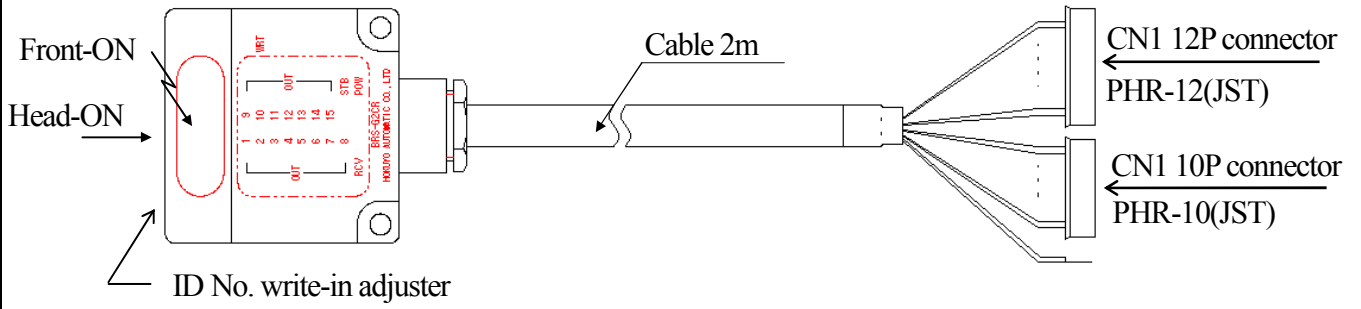# 15-POINT OPTICAL REMOTE CONTROLLER
RECEIVER
SPECIFICATIONS
BRS-G2CR-Z99 (Head-ON)
BRS-H2CR-Z99 (Front-ON)
(CE)

Symbol	Amended reason				Pages	Date	Corrector	Amended No.
Approved by	Checked by	Drawn by	Designed by	Title	15-Point Optical Remote Controller BRS Receiver Specifications			
MAEJIMA	OJIMA	HAYASHIYA	OJIMA	Drawing No.	C-42-3562			1/3

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1. Specifications

Model No.	BRS-G2CR-Z99	BRS-H2CR-Z99
Direction	Head-ON	Front-ON
Power source	24VDC ±10%	
Directional angle	Full angle 90° for right/left, Full angle 40° for up/down	
ID No. setting	999 kinds, Turn counterclockwise : write-in mode (from transmitter) Turn clockwise : operation mode	
Indicators	Output lamp : data output (OUT1 to 15) 15 points, strobe output(STB) 1 point Receiving lamp (RCV) 1 point Write-in lamp (WRT) 1 point Power lamp(POW) 1 point	
Output	Output executes only when ID No. from transmitter coincides with setting No. +VIN (+COM) PNP Open-collector Output Output current : MAX 50mA OUT1~OUT15 , STB	
Output holding time	100msec or more	
Receiving system	Pulse position modulation (455KHz), Twice coincident system	
Connection	Cable (connector at the end)	
Ambient temperature	-10 to +50°C	
Ambient humidity	45 to 85%RH	
Ambient illuminance	4,000lx (Fluorescent/mercury lamp)	
Environment	No corrosive gas	
Vibration resistance	Double amplitude 1.5mm, 10 to 55Hz, each 2 hour in X, Y and Z direction	
Impact resistance	$490m/s^2$, each 6 time in X, Y and Z directions	
Insulation resistance	10MΩ(500VDC megger)	
Noise resistance	Conformity standard EN61000-6-2:2001	
Protective structure	IP64	
Case	PC	
Weight	Approx. 240g	
External dimension	C-40-3394	

Title	15-Point Optical Remote Controller BRS Receiver Specifications	Drawing No.	C-42-3562	2/3

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3-2 Receiver

Front-ON

Head-ON

ID No. write-in adjuster

Cable 2m

CN1 12P connector
PHR-12(JST)

CN1 10P connector
PHR-10(JST)

Colors	Pin No.	Functions	Colors	Pin No.	Functions
Brown	CN1-5	OUT19	Orange/Black	CN1-10	OUT3
Red	CN1-7	OUT10	Yellow/Black	CN1-12	OUT4
Orange	CN1-9	OUT11	Green/Black	CN2-2	OUT5
Yellow	CN1-11	OUT12	Blue/Black	CN2-4	OUT6
Green	CN2-1	OUT13	Purple/Black	CN2-6	OUT7
Blue	CN2-3	OUT14	Gray/Black	CN2-8	OUT8
Purple	CN2-5	OUT15	White/Black Note)	CN1-4	+COM
Gray Note)	CN2-7	STB	Pale blue	CN1-1	-VIN
White	CN1-3		Pink/Black	CN2-9	+VIN
Pink	CN1-2		Pale blue/Black	CN2-10	-VIN
Brown/black	CN1-6	OUT1			
Red/black	CN1-8	OUT2	Shield	Shield	

Note) +COM and +VIN are connected inside.

Title	15-Point Optical Remote Controller BRS Receiver Specifications	Drawing No.	C-42-3562	3/3

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