

WATER GATE OPENING INDICATOR Signal Converter (GLCW Series)

- Conversion from the Synchro to the BCD signal (by Absolute value)
- Arbitrary scale adjustment (Zero adjustment, Free scale, Level offset)
- Non-linearity scale conversion table can be set up easily by PC software and installed it to the GLCW through the SD card.
- Self-Diagnosing function (ERR code is displayed)
- Small size and lightweight



Summary

- GICW Series is a signal converter from Synchro to Digital for output to external equipment.
- It has many useful functions for adjustment of gate opening indicator.
- Non-linearity scale conversion table can be set up and it is suitable for the radial gate.

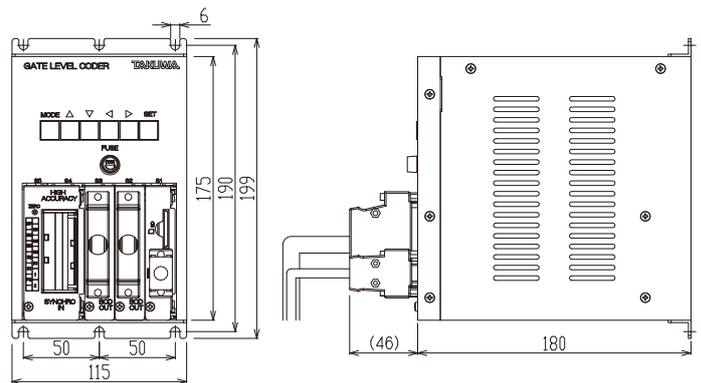
Main specification

Type	GLCW-S1-□□	GLCW-S2-□□
Power Supply	AC90V~AC242V, 50/60Hz	
Current consumption	30VA or less	
Ambient temperature	-10°C~+50°C	
Data output range	±99999	
Conversion accuracy	±0.1%F.S	±0.003%F.S
Input signal	Synchro 3-wire signal Max.90V/Input synchro 1unit (1st gear)	Synchro 3-wire signal Max.90V/Input synchro 2units (2nd gear)
Data output signal	1. BCD : 5digits - Each digit odd parity, BUSY, Signal error, Dropping voltage - Output condition : A contact with non-voltage 2. RS-232C(no control sequence) x 1 3. Power discontinuity contact x 1 - Output condition : Make when electric outage 4. Compare contact : x16 - Output condition : A contact with non-voltage	
Input scale conversion	0~1999/Rev	0~20000/Rev
Throughput performance	- Level calculation : -999.99m~+999.99m - Hold : maximum / minimum - Zero point adjustment : by setting SW in the front of body - Data output direction can be set - Self-diagnosing trouble : power off, signal error, dropping voltage - Non-linearity scale conversion by correction tableage	
SD card	Usable card : 2GB or less	
Data transfer distance	Input : Max. 1km (2mm ² wire in use)	

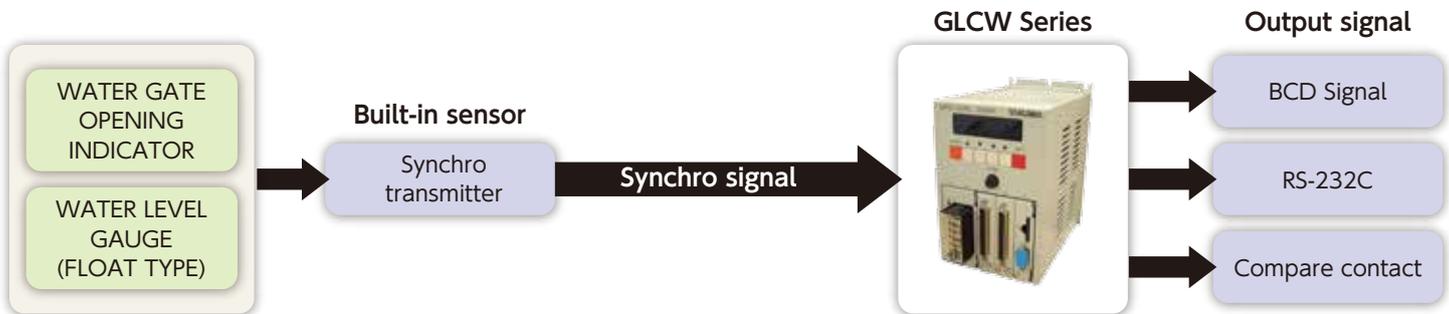
Model name:GICW-[AB]-[CD]

Code	Option Type	Option Detail Number
[A B]	Input signal	S1 : Synchro 3-wire signal Max.90V/Input synchro 1unit S2 : Synchro 3-wire signal Max.90V/Input synchro 2units
[C D]	Output signal	11 : BCD Output x1 Compare contact output : x1 20 : BCD Output x2

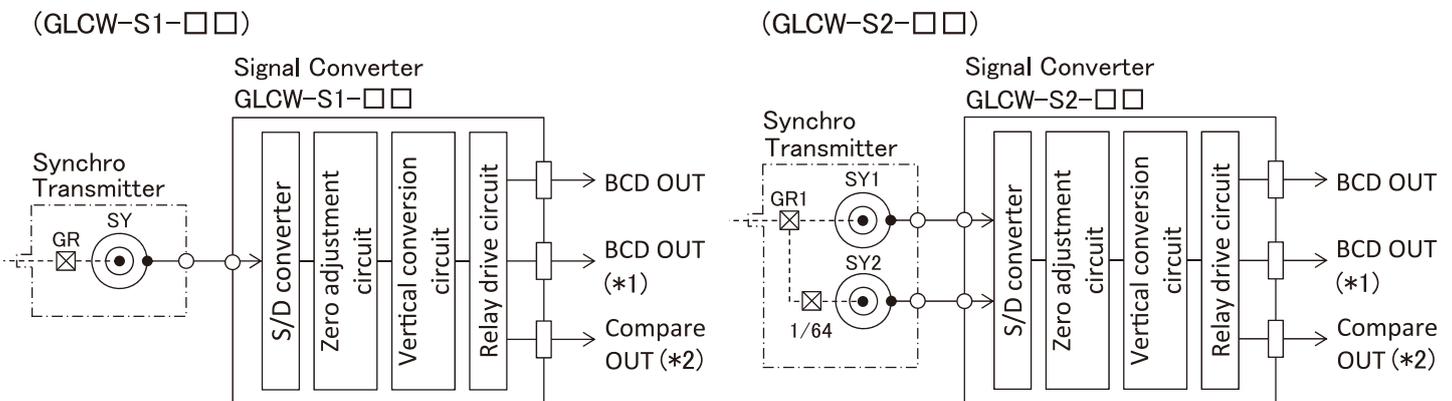
Outline drawing



System configuration



Block Diagram



(※1) GLCW-□□-20 selected
(※2) GLCW-□□-11 selected

*Information in this document is subject to change without notice