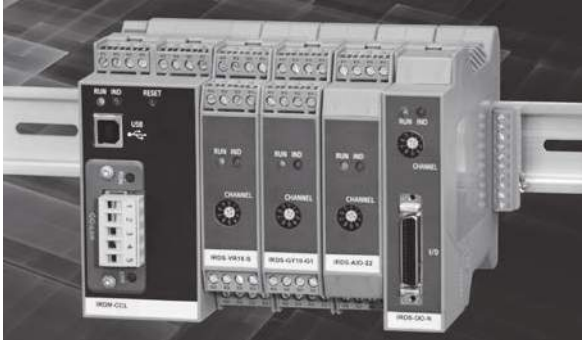


IRDS-GY Controller

Industrial network

Noise Cancel

Corresponding to Open Network



This module is GY sensor conditioning module for IRD series. 1 axis and 2 axes types are available. The digital position data can be transferred to various fieldbus network (CC-Link, CC-Link IE Field, PROFIBUS, EtherNet/IP, EtherCAT) by connecting IRDM (master module).

Specifications

No. of probe	1 axis or 2 axes
Resolution	G1,G4:1μm G2,G3,G5,G6:0.1mm
Sampling freq.	1kHz (STD) (up to stroke 1000mm)
power supply	+24VDC (±10%) 150mA (Supplied through internal IRD bus)
working temp.	0°C~+55°C
storage temp.	-25°C~+75°C

[Occupied memory block and input output bytes]

Memory block : 4
Input bytes : 16
Output bytes : 16

- ◆ associated IRD master module
 - IRDM-CCL : CC-Link Ver.2
 - IRDM-EP1 : EtherNet/IP
 - IRDM-DP : ProfibusDP
 - IRDM-ECT : EtherCAT
 - IRDM-CFN : CC-Link IE Field

Model

IRDS-GY□□-G□-□

① ② ③

① No. of probe

10:1 axis position/velocity
20:2 axes position only

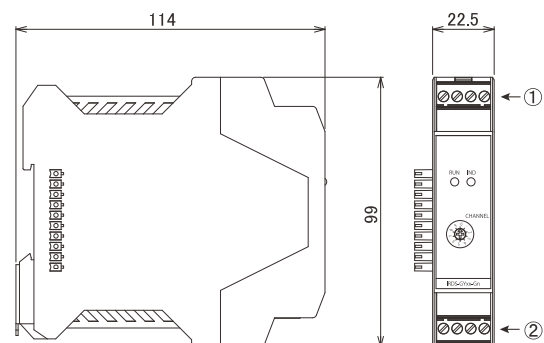
② Probe type

G1:GYMR6, GYcRS, GYFRS, GYHTR(※),
GYKMR, GYRHP-MR6, EX-GYdT-R
G2:GYcRP, EX-GYdS-R
G3:GYHR
G4:GYSE-R
G5:GYMS, GYGS
G6:IGY4
※Min. resolution is 0.05 mm

③ Option

blank:without option
HS:resin coating against humidity
others:special version

Dimensions



Connector

- ①: For GY sensor of axis 1 or No.1 of axes 2.
- ②: For GY sensor of No.2 of axes 2.
(In case of IRDS-GY10, not connect)

•It is different in wiring depending on associated probe.
•Please refer to each manual.