

RS-232C to RS-485 Converter

# AD-8551R



Modbus RTU available

Multiple balances and scales can be connected to a PLC, HMI and PC  
Two selectable communication protocols (Modbus-RTU, Command mode)  
Up to a maximum of 31 sets can be connected to a PLC or PC  
Din rail mounting type



## Connectable weighing instruments

Weighing module	AD-4212A, AD-4212B, AD-4212C, AD-4212D
Analytical balance	BM, HR, HR-A, HR-i, HR-AZ, GH, GR
Precision balance	EJ, EJ-B, FX-i, FZ-i, GX, GX-A, GX-K, GF, GF-A, GF-K, GP
Compact balance	EK-i, EK-L, EW-i
Scale	FG, HV-C, HV-CP, HV-G, HW-C, HW-CP, HW-G
Scale	HV-CWP, HW-WP, SC, SE, SW
Counting scale	FC-i, HC-i, FS-i

\* The AD-8551R can be powered by the AD-4212C, AD-4212D, FX-i, FZ-i, GX-A, GF-A, HR-A, and HR-AZ.

A power supply is required when connecting the AD-8551R to other models.

\* The AD-8551R can be connected to the AD-4212C and AD-4212D with a standard accessory cable.

Other models require an optional cable.

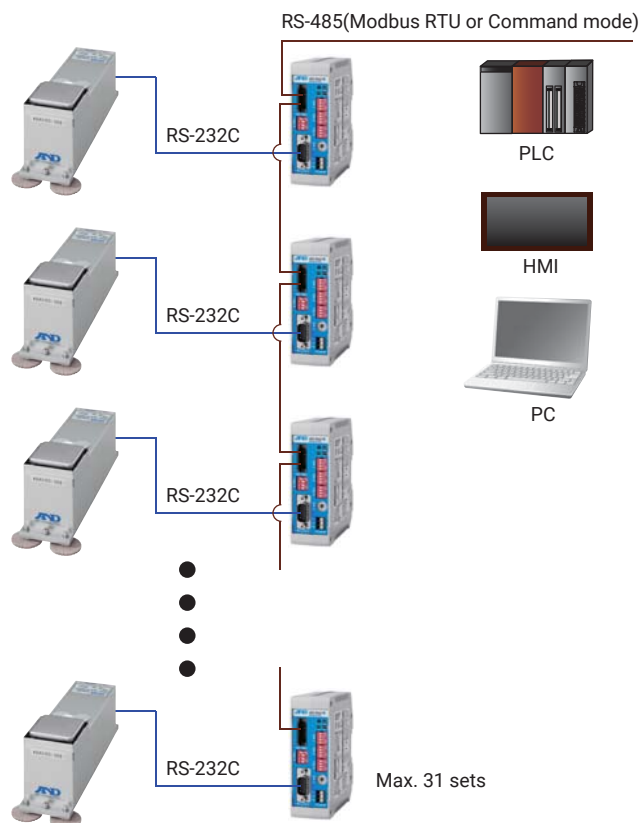
\* Please refer to the instruction manual for details on the connection method.

### Specification

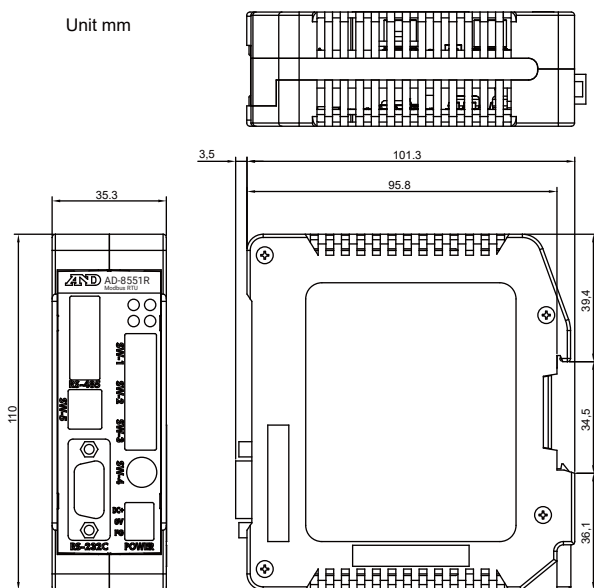
Power supply voltage	DC 12 to 24 V +10% -15%
Power consumption	2 W Max.
Interface	RS-485 ×1 (for connecting to control equipment) RS-232C ×1 (for connecting to weighing devices)
Operating conditions	-10°C to +50°C Max 85 %RH (no condensation)
External dimensions	35.3 (W)×110.0 (H)×101.3 (D) mm
Accessory	RS-485 connector (power clamp wire mount socket)
Mass	Approximately 170 g

\*RS-485 connector 3M 35505-6200-A00GF Branch connector 3M 35715-L010-A00AK

## Connection example



Unit mm



## Communication status and error display



The communication status can always be understood by utilizing the LEDs

- RUN Lit : Power on
- Blinking : Incorrect RS-485 or RS-232C settings
- RXD Blinking : The AD-8551R is receiving data from a balance or scale
- SD Blinking : The AD-8551R is sending data to a PLC or PC
- RD Blinking : The AD-8551R is receiving data from a PLC or PC

Appearance and/or specifications subject to change for improvement without notice.



## Discover Precision

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