



### ■ Display of Rainfall

Displays real-time (by pressing the button)  
Displays cumulative rainfall for the past 1 hour, the past 24 hours, and from the beginning of rainfall.

### ■ Recording Function

Records cumulative rainfall for the past 1 hour, the past 24 hours, and from the beginning of rainfall, as a CSV file, at 10-minute intervals. Data for up to 3.7 months are recorded to its memory. Insert an SD card, and data will be collected automatically. Also, if an SD card is kept inserted, data are automatically transmitted every 1 month, enabling long-term data recording.

### ■ Switching Between Increments

Switching between tipping increments of 1mm, 0.5mm, and 0.1mm can be done easily.

### ■ Output Function

Uses an RJ-45 connector (terminal for LAN cable) as its communication port. Outputs contact signal and serial communication.

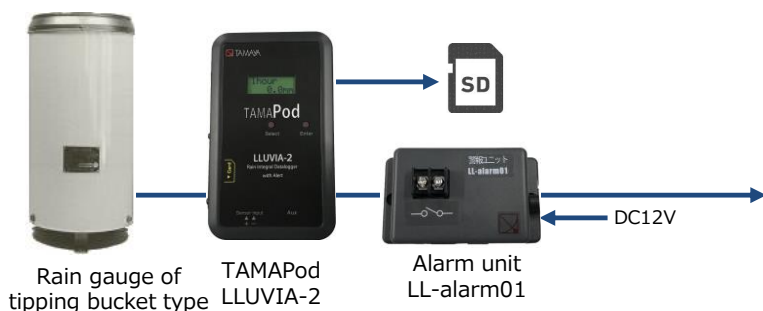
### ■ Extension of Output Function

#### Output of Contact Signal and Alarm

LLUVIA-2 can be connected with LL-alarm01, an alarm unit offered as an optional item, using a LAN (straight) cable. The alarm values for rainfall for the past 1 hour, the past 24 hours, and from the beginning of rainfall, are set to LLUVIA-2. If rainfall exceeds the threshold value, an alarm sensor, such as a rotating warning light, connected to LL-alarm01, will be lit and will operate.

※ **Power supply will be necessary for both LL-alarm01 and the alarm sensor.**

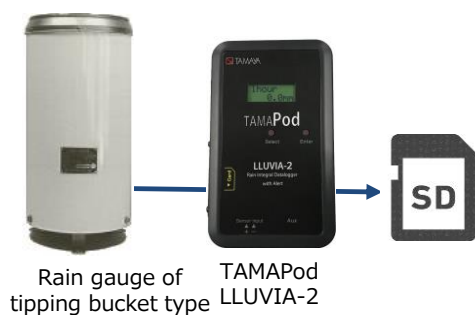
## ■ System for Recording Rainfall and Alarm



Rotating warning light at a construction site

※Please prepare power supply for both the alarm unit and a rotating warning light.

## ■ Rainfall data (CSV file) collected using an SD card



Date	Time	10 min.	1 hour	24 hours	Start	Power
21/6/2017	9:00:00	0.5	10	20	50.5	3.0
21/6/2017	9:10:00	9.5	19.5	29.5	60	3.0
21/6/2017	9:20:00	10.5	30	40	70.5	3.0
21/6/2017	9:30:00	1	31	41	71.5	3.0
21/6/2017	9:40:00	2.5	33.5	43.5	74	3.0

## ● Specifications for LLUVIA-2

Items	Functions
Input channel	1 ch (with no voltage contact or with voltage contact (2~30V), detected pulse width: 500ms)
Increments	Tips at 0.1mm, 0.5mm, 1mm
Operation keys	Select and Enter keys
Display	LCD
Display, cumulative rainfall for past 1 hour	Displays cumulative rainfall for the past 1 hour (updates every 1 second)
Display, cumulative rainfall for past 24 hours	Displays cumulative rainfall for the past 24 hours (updates every 10 minutes)
Display, cumulative rainfall from beginning of rainfall	Displays cumulative rainfall from the first detection of signal from tipping bucket (updates every 1 second), can be reset at 6-, 12-, and 24-hour intervals
Alarm setting	Can be set to the past 1 hour, the past 24 hours, or from beginning of rainfall
Alarm condition	Alarm will go off if any one of the three alarm settings (the past 1 hour, the past 24 hours, or from beginning of rainfall) is exceeded.
Recording intervals	Records cumulative rainfall of 10 minutes, every 10 minutes
Recording format	CSV file
Collection of data	SD memory card (standard size), up to 32GB Automatic downloading (When built-in memory is full, data will be automatically transmitted to a memory card.)
Communication port	RJ-45 connector
Batteries	2 AA-size dry cells (alkaline dry cells)
Life span of battery	Approx 1 year
Dimensions, exterior	69 x 115 x 28mm

## ● Specifications for Alarm Unit LL-alarm01

Items	Functions
Input	Contact input (1 ch)
Method of calling off alarm	By key operation on datalogger LLUVIA-2
Alarm output	Relay contact
Terminal contact capacity	AC100V: 2A, DC24V: 2A or less
Power supply	DC12 ~ 24V ※ comes with an AC adapter
Fuse	3A mini fuse
Dimensions, exterior	90.4 x 50.4 x 29.5mm

TAMAYA TECHNICS INC.

3-7, Minami-Oi 6-Chome, Shinagawa-ku, Tokyo 140-0013 Japan

TEL: +81-3-5764-5561 FAX: +81-3-5764-5565