

NEW-FLOW

**ISO 9001
REGISTERED**

NEW-FLOW

MANUFACTURE OF ELECTRODE LEVEL SENSOR
ELT SERIES
AND CONTROL INSTRUMENTS

電極棒液位感測計操作說明書

Instruction Manual



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Instruction No.: 20160407-elt-00

1.0 DESCRIPTION

Technical Data 規範

Housing Material: Aluminum Alloy, SS304 and SS316 available

Enclosure Housing Protection: Stainless Steel housing: IP65 ; Aluminum Alloy housing: IP66

Probe Insulation Material: PTFE (for ELT101 only); P.P (for ELT102~108)

Rod Probe: SS316 standard; option available

Working Temperature Limit: PTFE Insulation: -20°C ~ +120°C ; P.P Insulation: 0°C ~ +60°C

Working Pressure Limit: 10 kg/cm²; other request please consult with the manufacturer

Process Thread Connection: 1½" NPT male

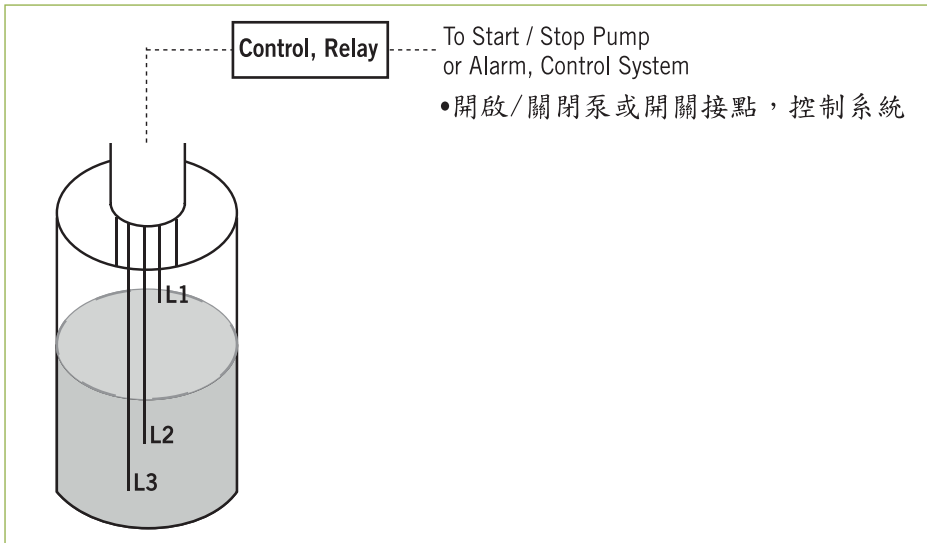
Conduit Connection: ½" NPT female or ¾" NPT female available

Flange Connection: 1½"~3", or consult with the manufacturer

Isolated Resistance: >100MΩ up to 4000MΩ; DC500V on request

2.0 MEASUREMENT METHOD

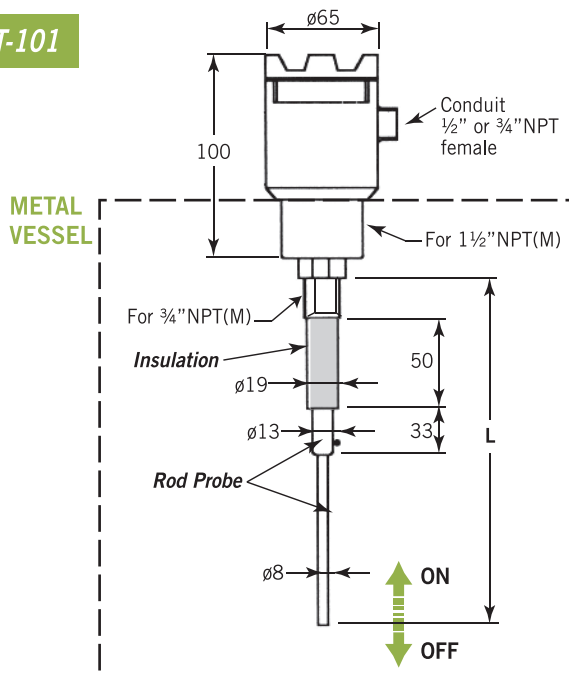
Measurement Method 量測方式



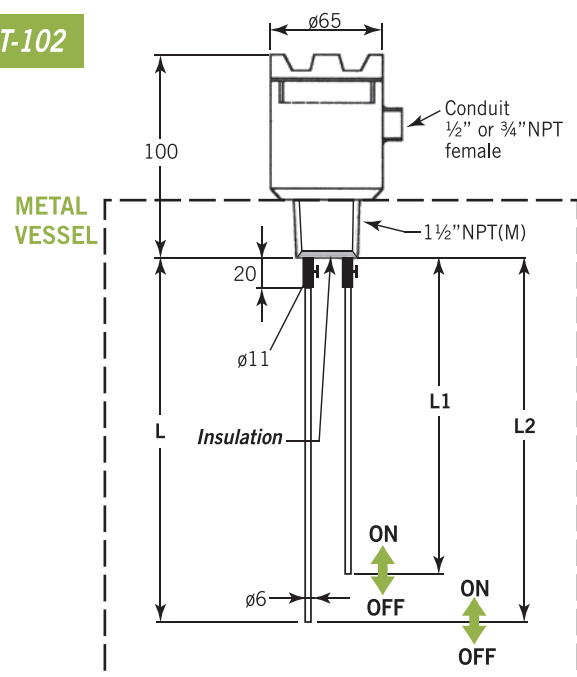
3.0 INSTALLATION

Installation Instruction 安裝方式

ELT-101

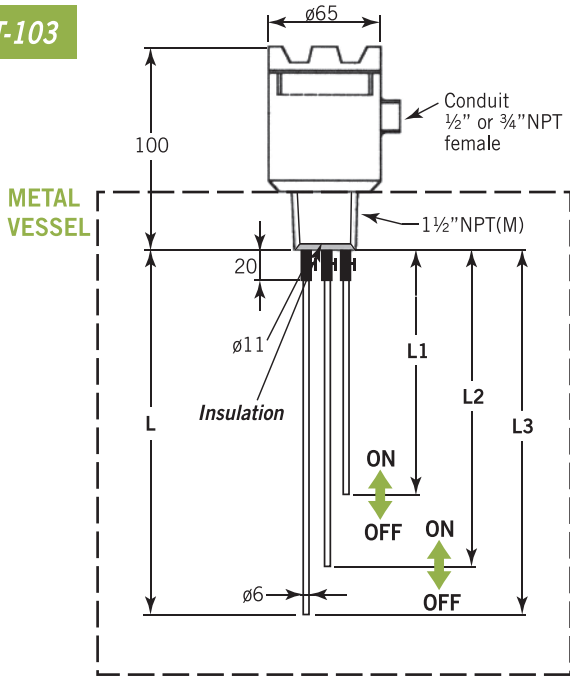


ELT-102

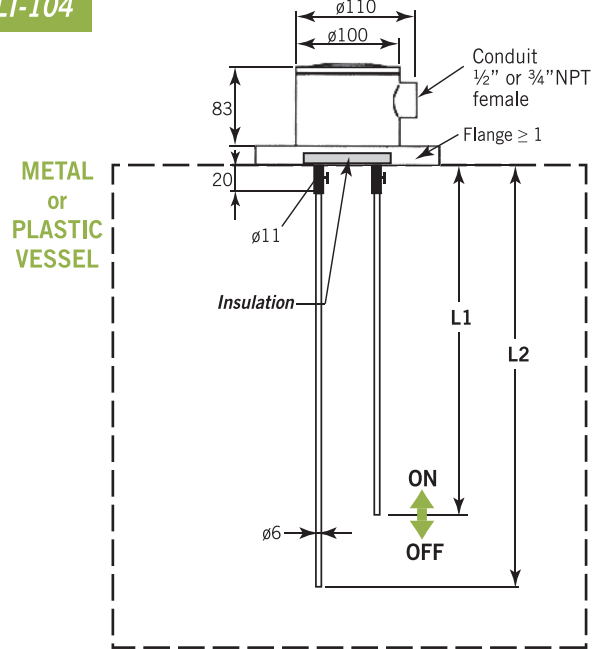


3.0 INSTALLATION

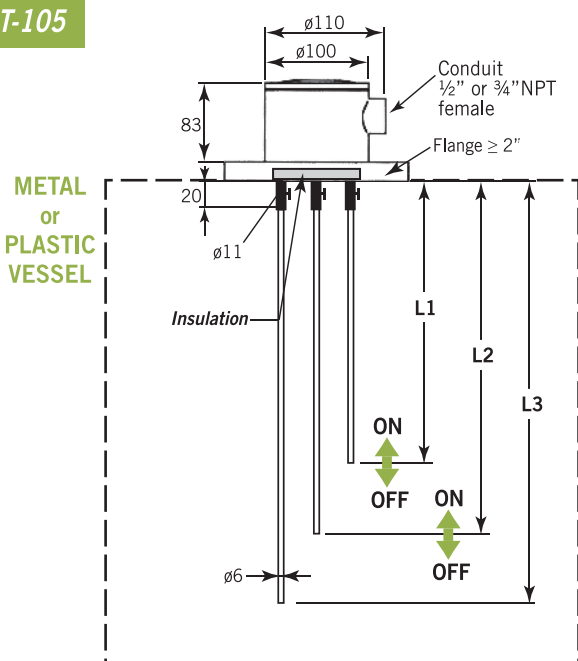
ELT-103



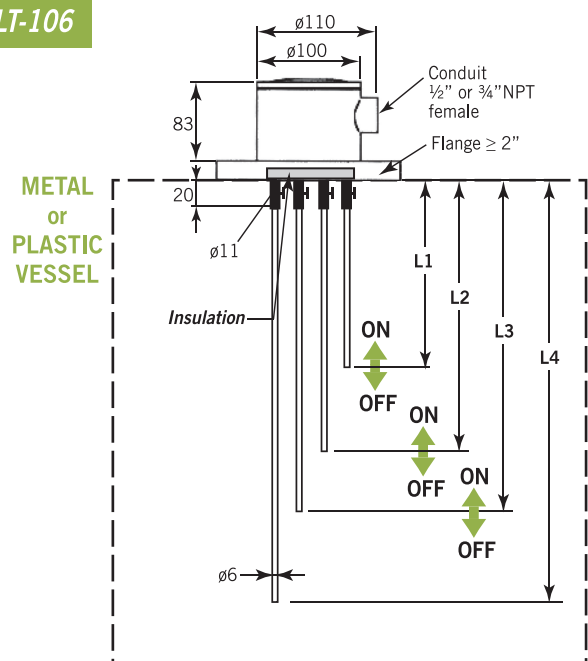
ELT-104



ELT-105

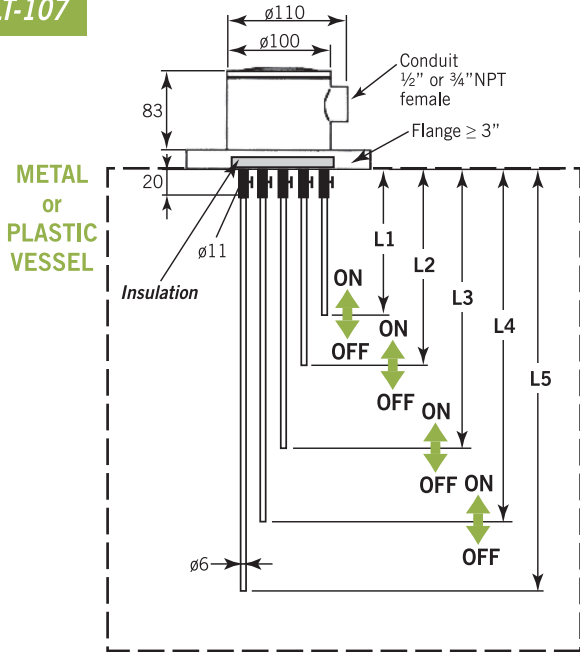


ELT-106

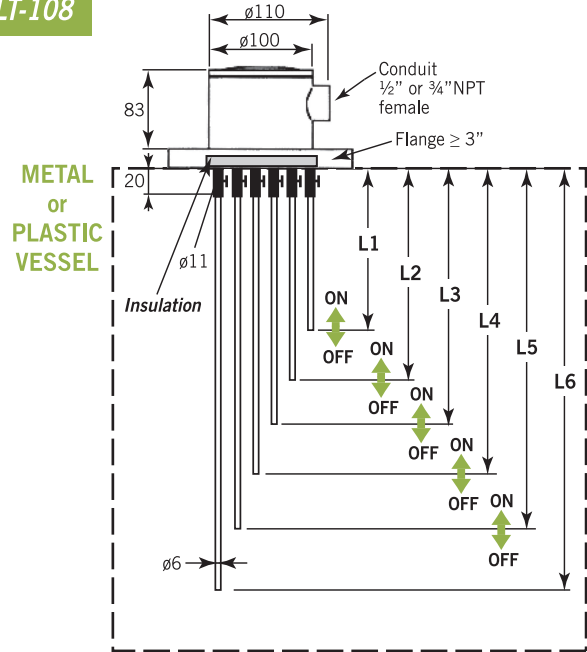


3.0 INSTALLATION

ELT-107



ELT-108



4.0 WIRE DRAWING

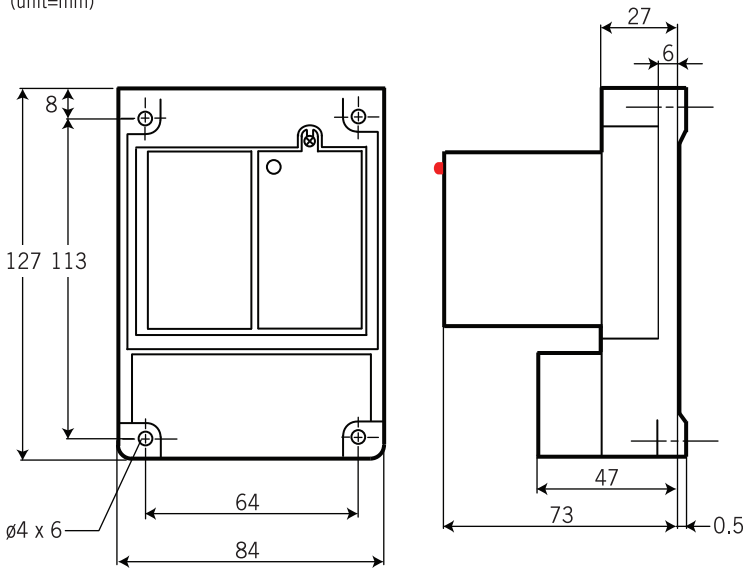
Relay Control Wire Drawing 繼電控制器接線方式

1. For ONE Rod Probe

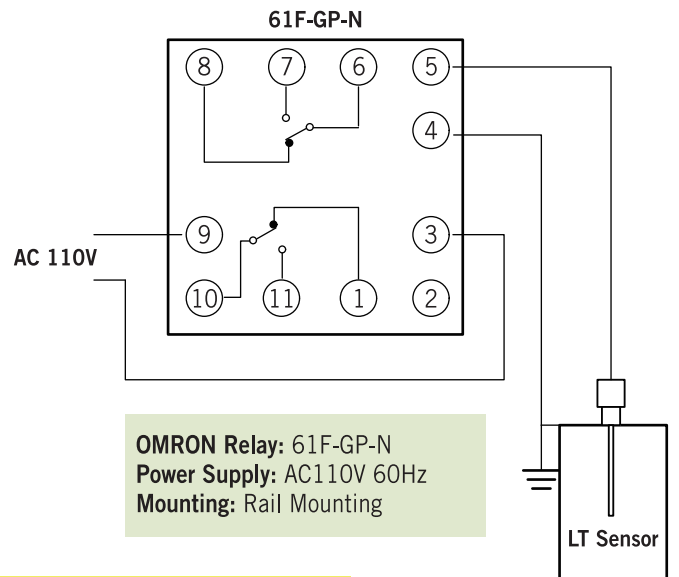
- 電極棒 x 1

Dimensions of Relay Control 繼電控制器尺寸

(unit=mm)



Wire Drawing 接線圖示



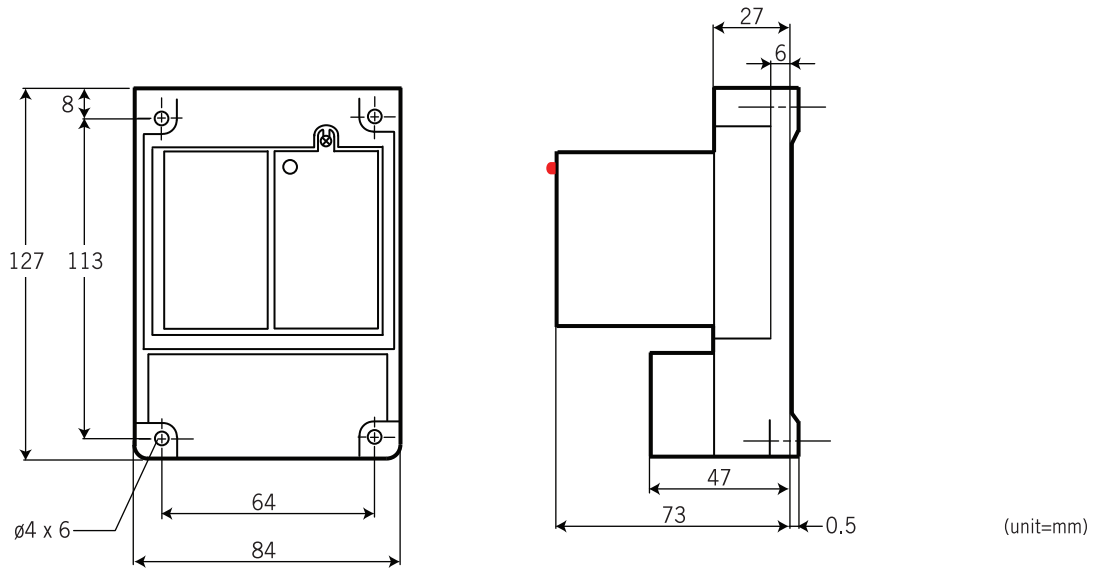
***NOTICE.:** OMRON Relay's inner wires have already improved by New-Flow in order to suit with our electrode sensor.
 注意: OMRON Relay的內部接線已由升陽公司做改善,以利電極棒之使用。

4.0 WIRE DRAWING

2. For TWO Rod Probes

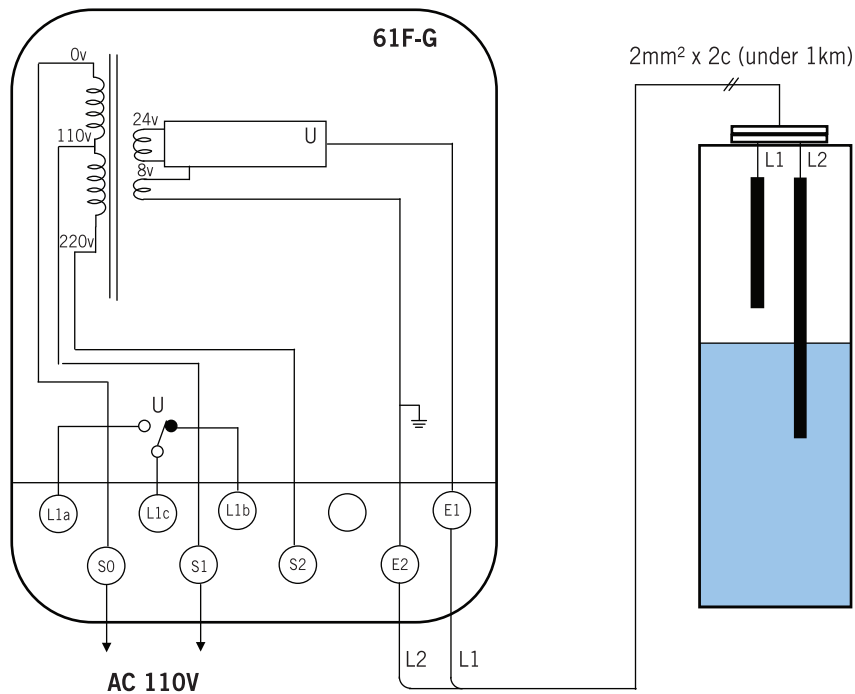
• 電極棒 x 2

Dimensions of Relay Control 繼電控制器尺寸



Wire Drawing 接線圖示

OMRON Relay: 61F-G
Power Supply: AC110V 60Hz
Mounting: Rail Mounting



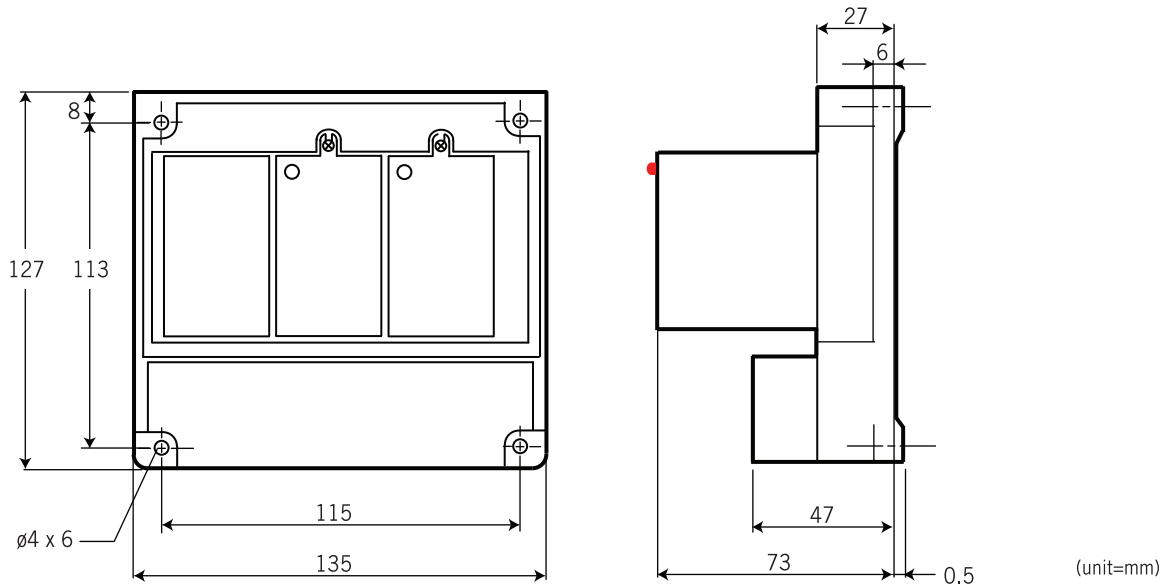
***NOTICE.:** OMRON Relay's inner wires have already improved by New-Flow in order to suit with our electrode sensor.
 注意: OMRON Relay的內部接線已由升暘公司做改善, 以利電極棒之使用。

4.0 WIRE DRAWING

3. For THREE Rod Probes

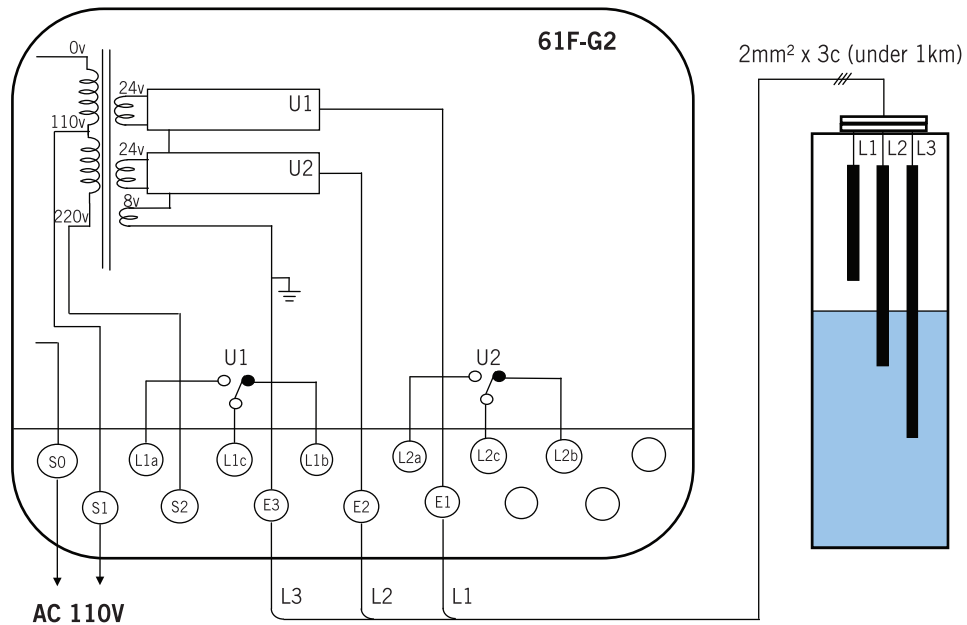
•電極棒 x 3

Dimensions of Relay Control 繼電控制器尺寸



Wire Drawing 接線圖示

OMRON Relay: 61F-G2
Power Supply: AC110V 60Hz
Mounting: Rail Mounting



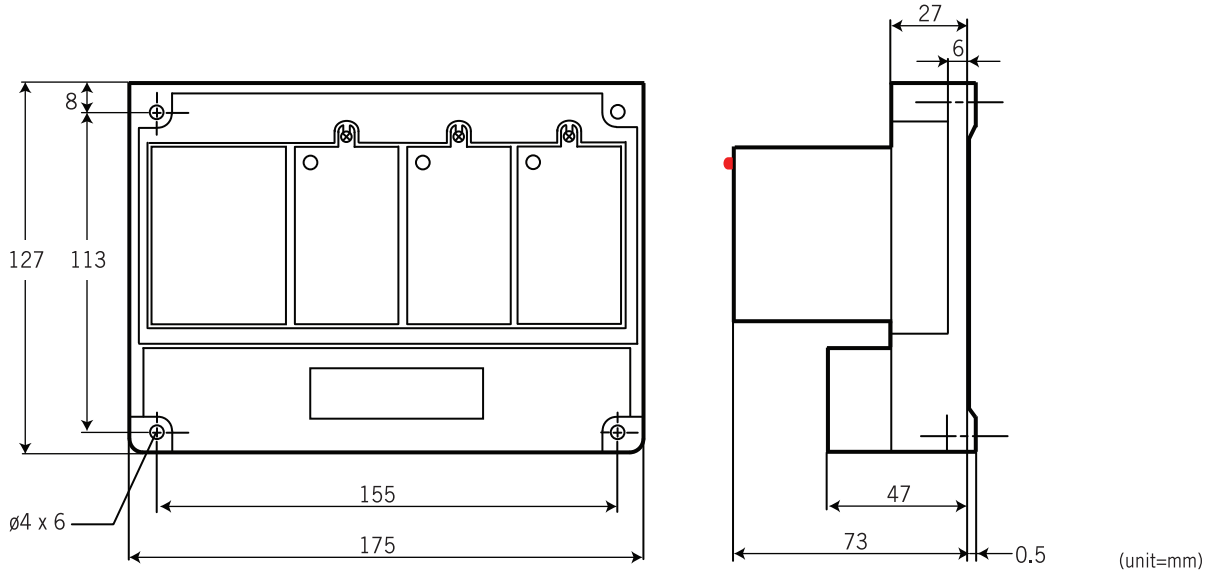
***NOTICE.:** OMRON Relay's inner wires have already improved by New-Flow in order to suit with our electrode sensor.
 注意: OMRON Relay的內部接線已由升陽公司做改善, 以利電極棒之使用。

4.0 WIRE DRAWING

4. For FOUR Rod Probes

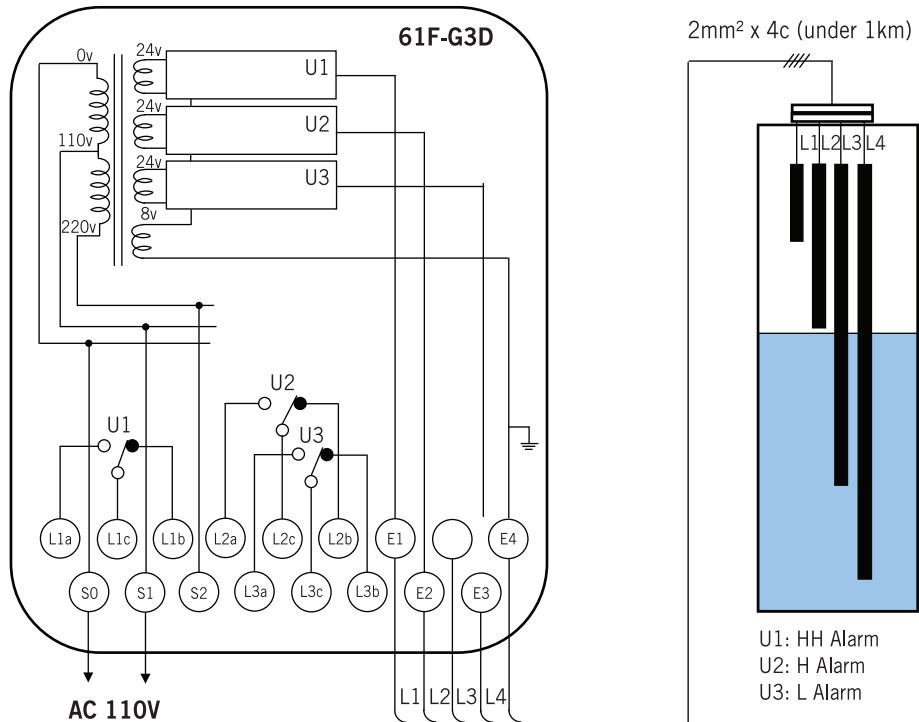
• 電極棒 x 4

Dimensions of Relay Control 繼電控制器尺寸



Wire Drawing 接線圖示

OMRON Relay: 61F-G3D
 Power Supply: AC110V 60Hz
 Mounting: Rail Mounting



U1: HH Alarm
 U2: H Alarm
 U3: L Alarm

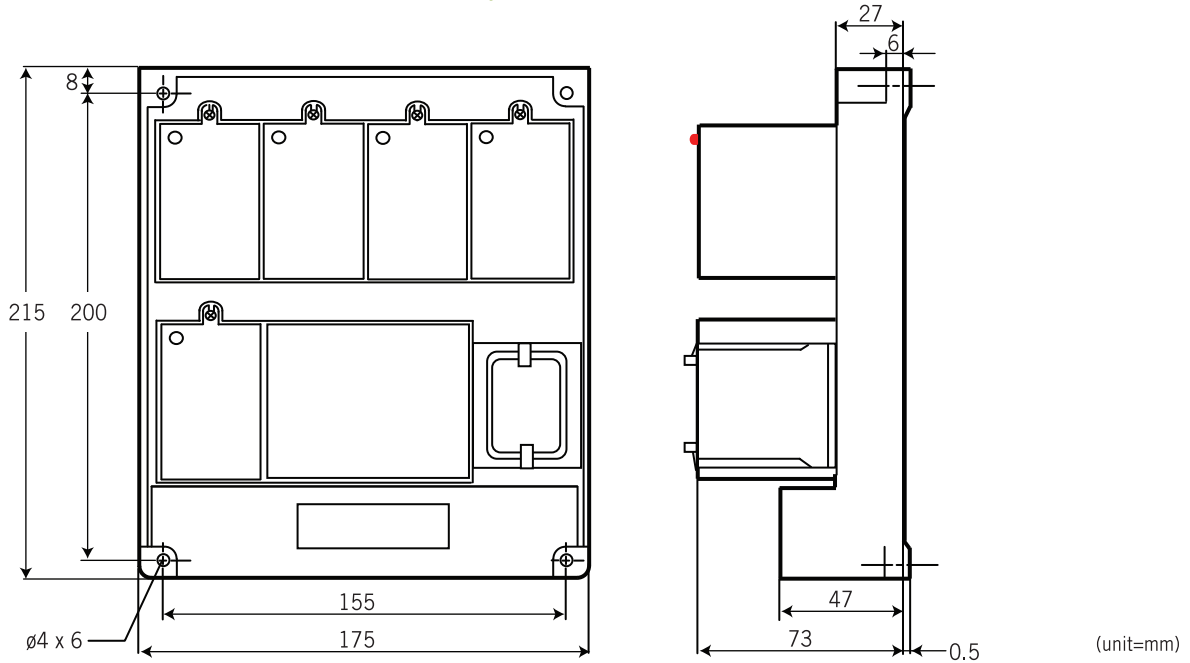
***NOTICE.:** OMRON Relay's inner wires have already improved by New-Flow in order to suit with our electrode sensor.
 注意: OMRON Relay的內部接線已由升暘公司做改善, 以利電極棒之使用。

4.0 WIRE DRAWING

5.1. For TWO Rod Probes (Standard Wiring)

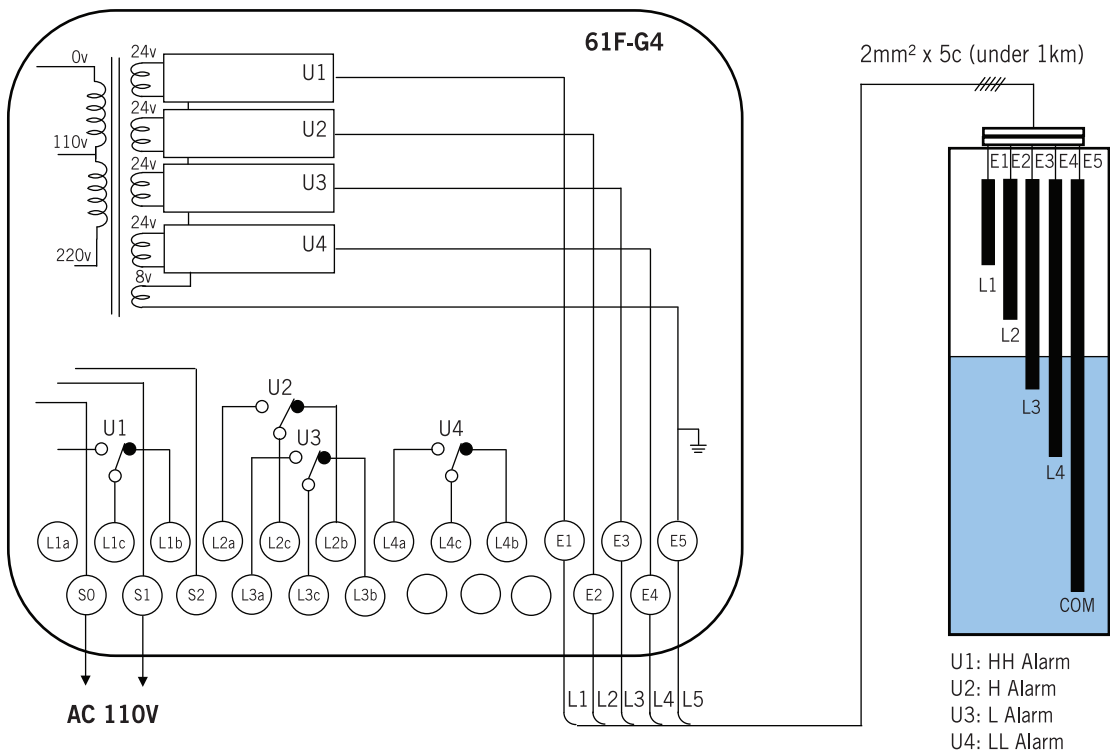
• 電極棒 x 5 (標準接線方式)

Dimensions of Relay Control 繼電控制器尺寸



Wire Drawing 接線圖示

OMRON Relay: 61F-G4
Power Supply: AC110V 60Hz
Mounting: Rail Mounting



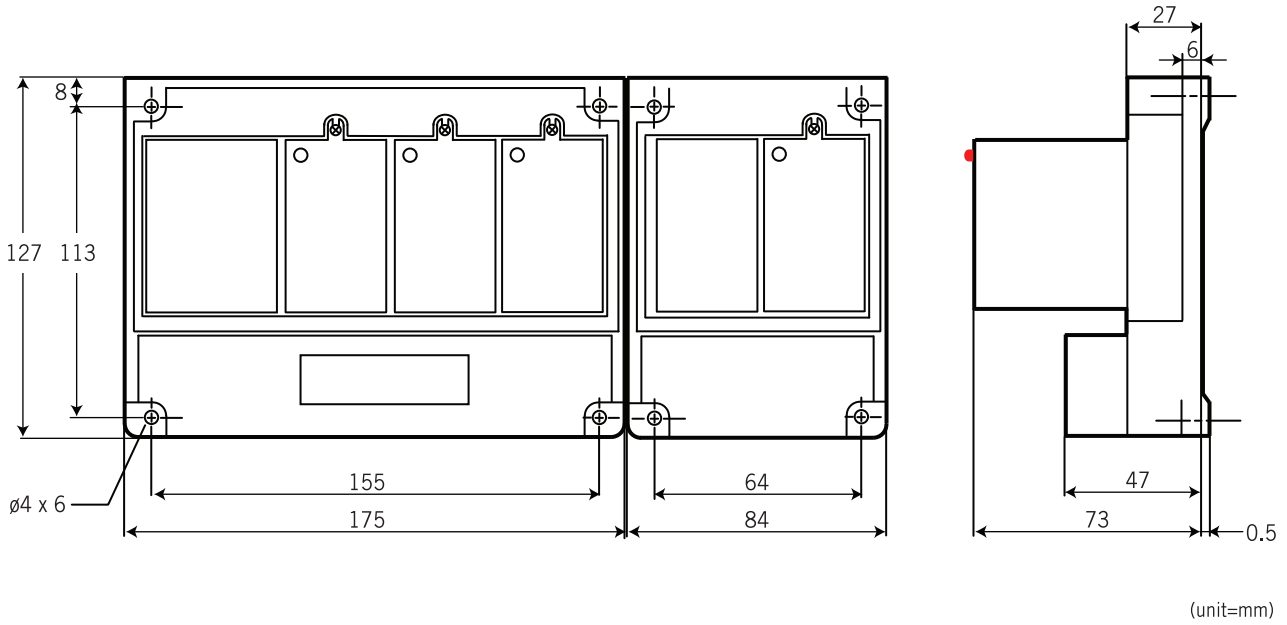
***NOTICE.:** OMRON Relay's inner wires have already improved by New-Flow in order to suit with our electrode sensor.
注意：OMRON Relay的內部接線已由升賜公司做改善，以利電極棒之使用。

4.0 WIRE DRAWING

5.2. For FIVE Rod Probes (Optional Wiring)

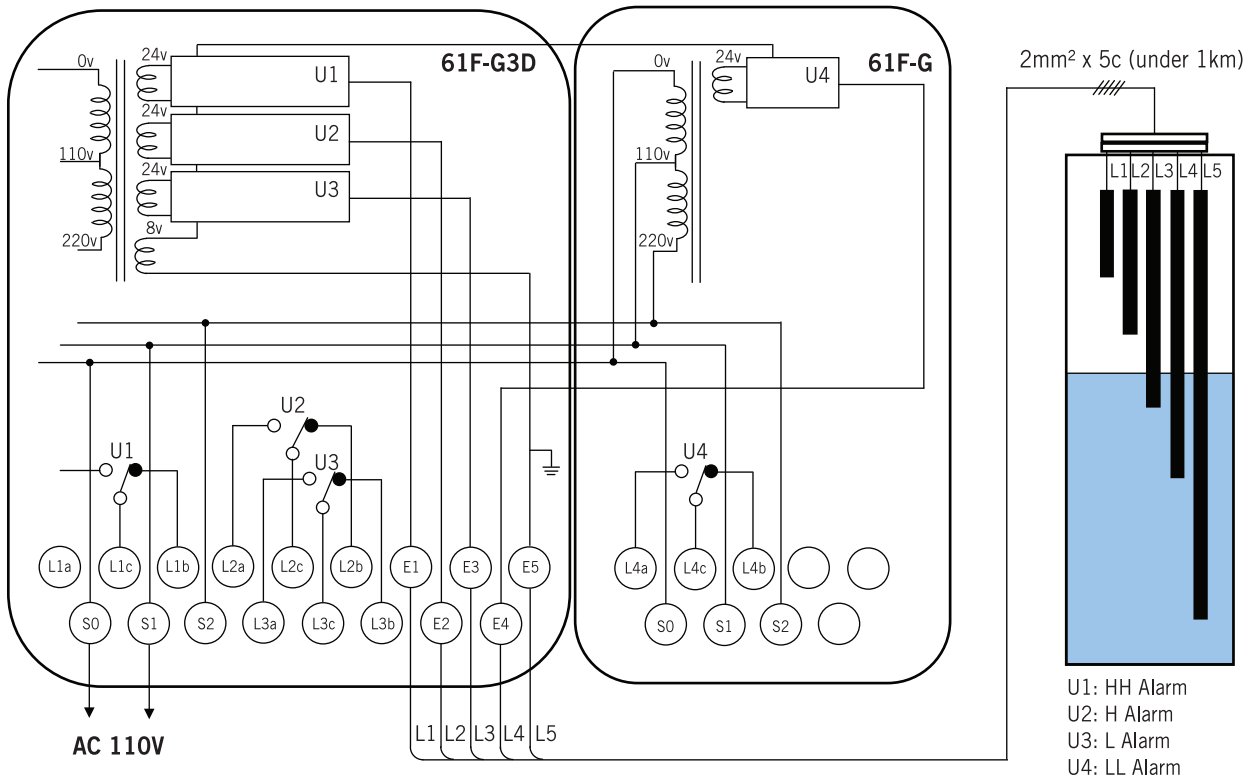
• 電極棒 x 5 (除標準接線外，另可參考下圖)

Dimensions of Relay Control 繼電控制器尺寸



Wire Drawing 接線圖示

OMRON Relay: 61F-G3D+61F-G
Power Supply: AC110V 60Hz
Mounting: Rail Mounting



***NOTICE.:** OMRON Relay's inner wires have already improved by New-Flow in order to suit with our electrode sensor.
注意：OMRON Relay的內部接線已由升賜公司做改善，以利電極棒之使用。