

INSTRUCTION MANUAL

4-DIGIT LOOP POWERED INDICATOR (outdoor enclosure, intrinsically safe/explosion-proof)	MODEL	FXE-B FXEI-B
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BEFORE USE

■ **SAFETY PRECAUTIONS**

Thank you very much for your purchase of the Fuji FXE Loop Powered Indicator. Before use, please check contents of the package you received as outlined below.

If you have any problems or questions with the product, please contact Fuji's Sales Office or representatives.

■ **PACKAGE INCLUDES:**

- Loop Powered Indicator (1)
- Mounting screws (4)
- Unit label (1) sheet
- Mounting bracket (option) (1) set

■ **MODEL NO.**

Confirm that the model number described on the product is exactly what you ordered.

■ **INSTRUCTION MANUAL**

This manual describes necessary points of caution when you use this product, including installation, connection and basic maintenance procedures.

When using this product in potentially explosive atmosphere or hazardous (classified) location, you have to follow the safety procedure to install it. Please refer to "SAFE INSTALLATION MANUAL" for each type of certification.

POINTS OF CAUTION

■ **CONFORMITY WITH EC DIRECTIVES**

The equipment must be installed such that appropriate clearance and creepage distances are maintained to conform to CE requirements. Failure to observe these requirements may invalidate the CE conformance.

■ **GENERAL PRECAUTIONS**

Before you remove the module, turn off the input signal for safety.

■ **ENVIRONMENT**

- Do not install the module where it is subjected to continuous vibration. Do not apply physical impact to the module.
- Environmental (non-hazardous location) temperature must be within -40 to +85°C (-40 to +185°F) with relative humidity within 0 to 95% RH in order to ensure adequate life span and operation.
- For use in a hazardous location, be sure that the environmental temperature is within the temperature class required for the area.

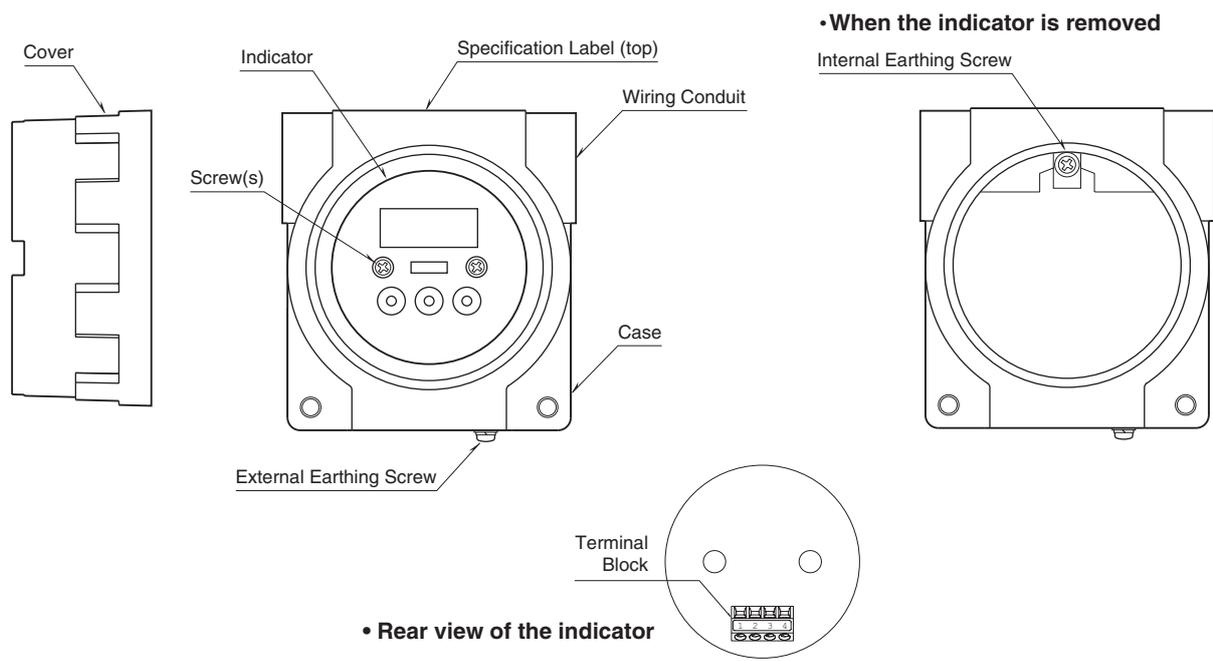
■ **WIRING**

- Do not install cables close to noise sources (relay drive cable, high frequency line, etc.).
- Do not bind these cables together with those in which noises are present. Do not install them in the same duct.
- When the unit is used in an environment where inductive noise interference is expected, ground the earthing terminal.

■ **AND**

The module is designed to function as soon as power is supplied, however, a warm up for 10 minutes is required for satisfying complete performance described in the data sheet.

COMPONENT IDENTIFICATION



Fuji Electric France S.A.S.

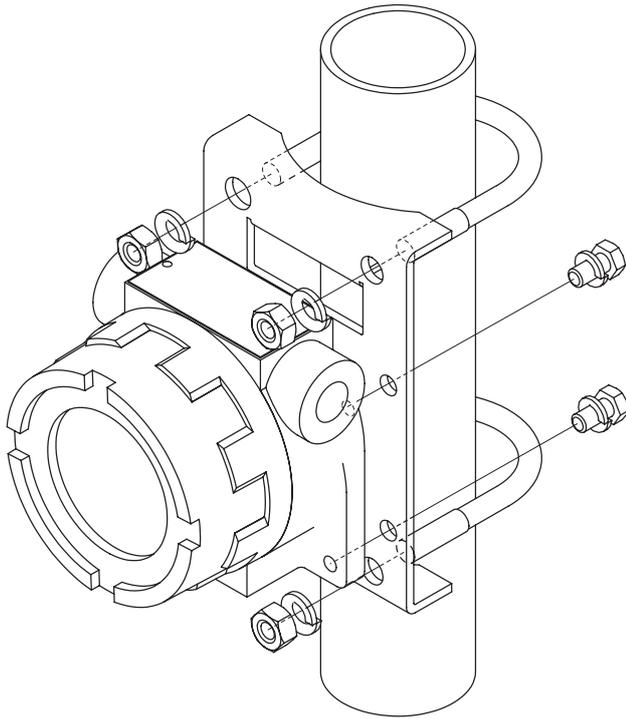
46, Rue Georges Besse - Z I du Brézet - 63 039 Clermont-Ferrand cedex 2 FRANCE

France : Tél. 04 73 98 26 98 - Fax 04 73 98 26 99 - International : Tél. (33) 4 7398 2698 - Fax. (33) 4 7398 2699

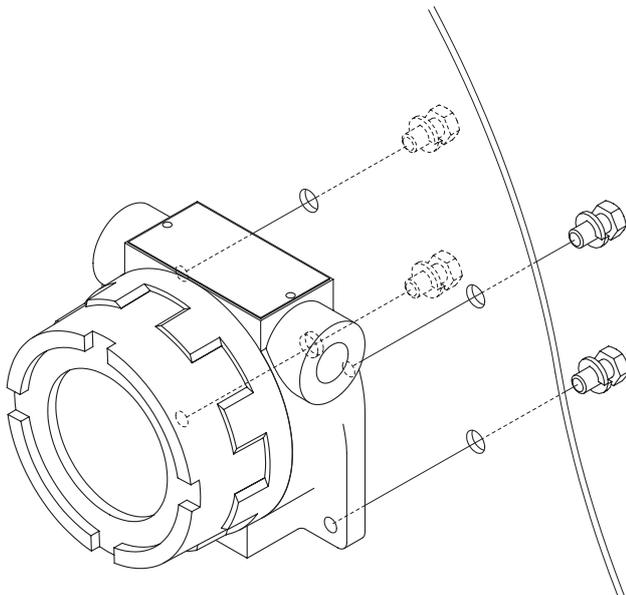
E-mail : sales.dpt@fujielectric.fr – WEB : www.fujielectric.fr

INSTALLATION

■ MOUNTING THE ENCLOSURE ON A PIPE

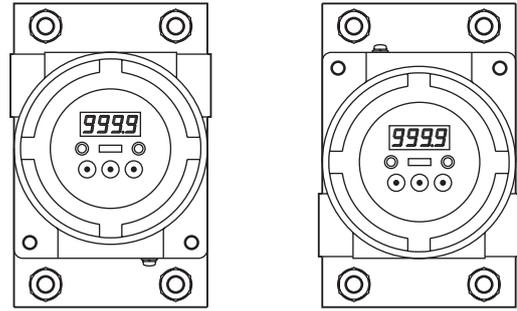


■ MOUNTING THE ENCLOSURE ON A WALL



■ MOUNTING DIRECTION

The LED indicator can be mounted in two different directions in relation to the position of the external earthing screw.



A

B

TERMINAL CONNECTION

⚠ Warning!

For use in a hazardous location, refer to “Installation Diagram” in the “Safe Installation Manual.”

■ WITHOUT TERMINAL BLOCK

- 1) Loosen the screws on top of the indicator and separate the indicator module from the case.
- 2) Fasten wires to terminals* at the rear side of the indicator. (torque: 0.5 N·m)
- 3) Put the indicator module back inside the case and tighten with the screws. (torque: 0.8 N·m)

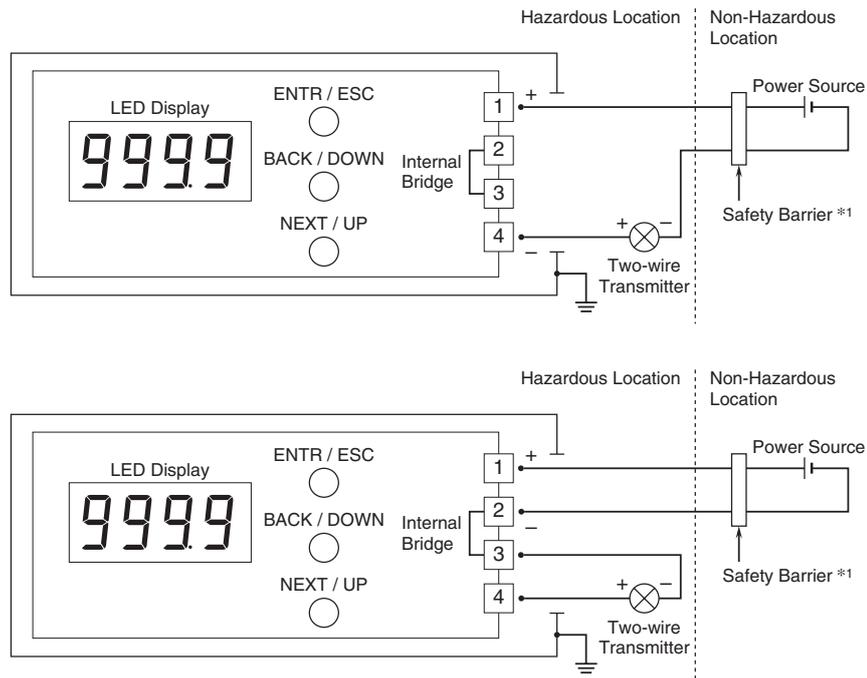
*Recommended pin terminal: Phoenix Contact AI0.25-6BU

■ WITH TERMINAL BLOCK

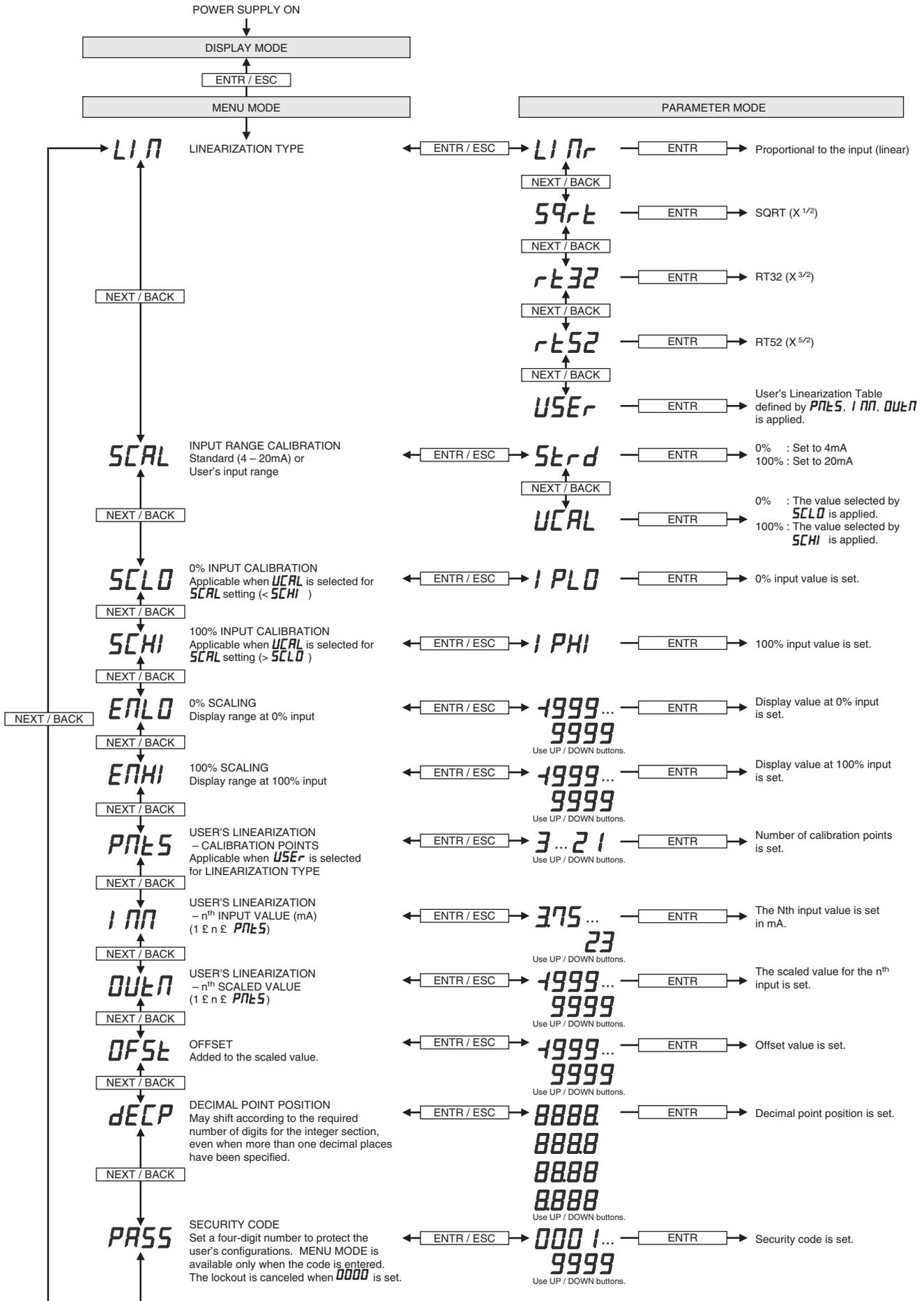
- 1) Loosen the screw on the left side of the indicator and extract the indicator module from the case.
- 2) Fasten wires to terminal block. (torque: 0.5 N·m)
- 3) Put the indicator module back inside the case and tighten with the screw. (torque: 0.8 N·m)

CONNECTION DIAGRAM

For use in potentially explosive atmosphere or in hazardous (classified) locations, please follow instructions in 'SAFE INSTALLATION MANUAL' provided separately for each type of certification.



PROGRAMMING PROCEDURE



LED DISPLAY

■ DISPLAY DIGITS

The decimal point position may shift according to the required number of digits for the integer section, even when more than one decimal places have been specified.

However, when the number of decimal places is set to 3, the '0' in the integer section is not shown in order to secure the number of effective digits, as explained in the table below.

The '0' is displayed when the number of decimal places is set to 2, though the number of effective digits in this case is reduced by 1 digit compared from the 3 decimal places.

Select appropriately for the application. Refer to 'Programming Procedure' for how to choose decimal point positions.

DECIMAL	VALUE	DATA DISPLAY
3	-1.000 thr. -1.999	-1000 ... -999
	-0.001 thr. -0.999	-001 ... -999
2	-1.00 thr. -1.99	-100 ... -199
	-0.01 thr. -0.99	-001 ... -999

■ ERROR INDICATION

The data display blinks when an abnormality is detected. The unit display backlight also blinks.

When the setting error or the security code error occurs, press ESCAPE key once to cancel the error status and proceed to set again.

ERROR TYPE	DATA DISPLAY
Over-scale	
Under-scale	
Setting error	
Security code error	



Specifications are subject to change without notice.



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