

## FIXED TEMPERATURE DETECTOR

## FDL SERIES

## FEATURES

- Equipped with a L.E.D. to indicate signal initiation
- Can be tested to make sure of readiness to alarm
- Conventional type
- 2-wire system
- Water-proof type available
- Acid-proof type available
- Anti-corrosive type available
- Approved by Japan Fire Equipment Inspection Institute

## DESCRIPTION

The FDL series fixed temperature detectors use bi-metal snap discs as heat sensing elements, which close the alarm contacts when ambient temperature has reached a predetermined level of temperature. The detectors are automatically self-restoring after operation, when the ambient temperature falls below the operating temperature.

This series also includes water-proof types, which are suitable for use in highly humid environments such as a kitchen, a bathing room, a drying room.

The acid-proof type fixed temperature detector is durable for use in acid-rich environments such as a battery room, a plating plant, a sewage disposal plant and so on.

The anti-corrosive fixed temperature detector has a heat sensor and a heat receiving plate coated with an anti-corrosive agent to be used in a space where the detector is subject to corrosive gases against copper or aluminum. This type of fixed temperature detector is used, for instance, in a storehouse where filled with a fumigation gas as an insecticide for goods inside.



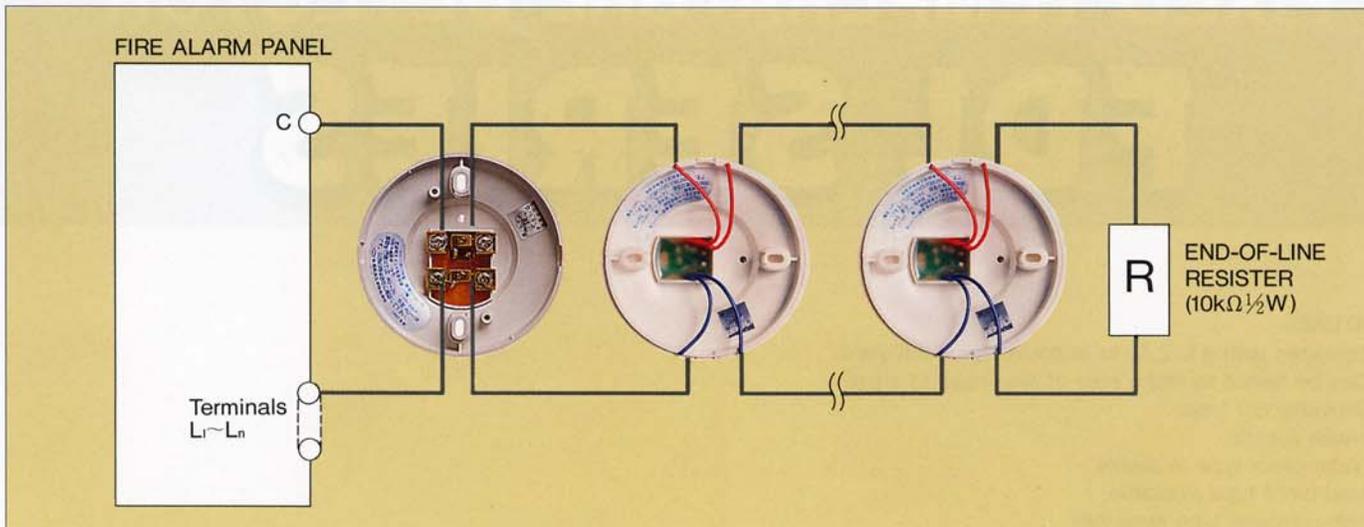
## SPECIFICATIONS

MODEL NO.	FDL918-65	FDL918-W-65	FDL118-WX-75	FDL118-WS-75
TYPE	Standard	Water-proof		
ADDITIONAL CIRCUIT	None		with a remote indicator lamp circuit	with a dry contact circuit
SENSITIVITY	Special		Class 1	
RATED OPERATING TEMPERATURE	65°C		75°C	
SENSOR CONTACT RATING	30VDC, 75mA			
DRY CONTACT RATING	N.A.			5VA and 50VDC max.
RESPONSE LAMP	Red LED			
AMBIENT TEMPERATURE	-15 to 45°C		-15 to 55°C	
MATERIALS	Heat receiving plate : Aluminum Main body : Polycarbonate resin			
WEIGHT	Approx. 55g		Approx. 70g	

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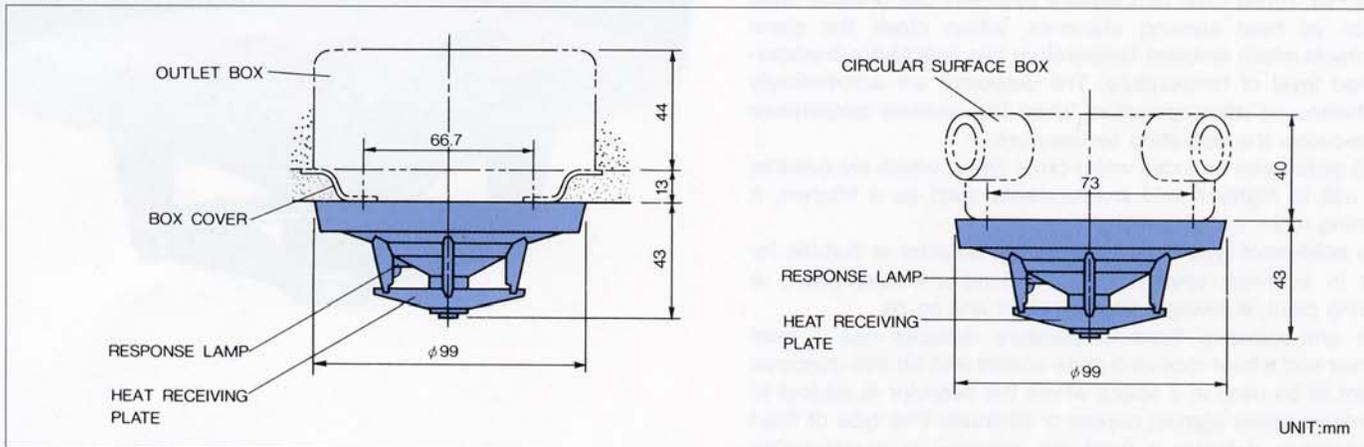
● HEAD OFFICE: 7-3, Kudan-minami 4-chome, Chiyoda-ku, Tokyo 102-8277, Japan ● PHONE: (81)3-3265-0231 ● FAX: (81)3-3265-5348

## TYPICAL WIRING DIAGRAM



● Lead wire system ● Max. permissible number of detectors to be connected: No limit ● External wire resistance: Less than 50Ω/line

## TYPICAL MOUNTING



## COVERAGE AREA PER DETECTOR

Height between floor and mounting surface		Class Special	Class 1
Less than 4m	Fire-Resistant Building	70m <sup>2</sup>	60m <sup>2</sup>
	Other Building	40m <sup>2</sup>	30m <sup>2</sup>
4m to 8m	Fire-Resistant Building	35m <sup>2</sup>	30m <sup>2</sup>
	Other Building	25m <sup>2</sup>	15m <sup>2</sup>

## ORDERING INFORMATION

MODEL NO.	SENSITIVITY	OPERATING TEMPERATURE	RESPONSE LAMP	WATER-PROOF	ADDITIONAL CIRCUITS AND CHARACTERISTICS	WEIGHT
FDL918-65	Special	65°C	<input type="radio"/>	—	None	55g
FDL918-W-65			<input type="radio"/>	<input type="radio"/>		
FDL118-75	Class 1	75°C	<input type="radio"/>	—		
FDL118-W-75			<input type="radio"/>	<input type="radio"/>		
FDL918-WX-65	Special	65°C	<input type="radio"/>	<input type="radio"/>	with a remote indicator circuit	70g
FDL118-WX-75	Class 1	75°C	<input type="radio"/>	<input type="radio"/>		
FDL918-WS-65	Special	65°C	<input type="radio"/>	<input type="radio"/>	with a dry contact circuit	70g
FDL118-WS-75	Class 1	75°C	<input type="radio"/>	<input type="radio"/>		
FDL918-WV-65	Special	65°C	<input type="radio"/>	<input type="radio"/>	Coated with an anti-corrosive agent	55g
FDL118-WR-75	Class 1	75°C	<input type="radio"/>	<input type="radio"/>	Acid-proof	75g

- These instructions do not purport to cover all the details or variations in the equipment described, nor provide for every possible contingency to be met in connection with installation, operation and maintenance.
- Specifications are subject to change without notice. Contact Nohmi before relying on above specifications.
- Actual performance is based on proper application of the product by a qualified professional.
- Should further information be desired or should particular problems arise, which are not covered sufficiently for the purchaser's purposes, the matter should be referred to Nohmi or a distributor in your region.

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