

SIMPLE WIRE-SAVING UNIT For leak detection sensor



FX-FC]



Newly Released Wire-saving Unit Made Especially for Connecting



Saves wiring! Now connects up to 8 leak detection sensors

EX-FC1 is a simple wire-saving unit for exclusive use with EX-F71/72 leak detection sensors.

The EX-FC1 integrates the outputs from up to 8 leak detection sensors into a single OR output, allowing for significant wiring space savings.

Even with only one leak detection sensor connected, an OFF signal is output if the sensor detects liquid leakage, or if the unit has been installed incorrectly.

Using EX-FC1 Takes up 8 input terminals, one for each of Only 1 input terminal is needed to handle the 8 leak detection sensors connected. connection to 8 leak detection sensors

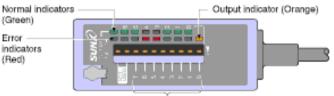
Slim & compact

Space savings are significant, as the ultra-thin & compact EX-FC1 has main unit body dimensions of only W20 0.787 X H80 3.15 × D52 mm 2.047 in

3 indicators provide operational confirmation

In addition to an output indicator which allows users to verify output status, there are 2 built-in operation indicator lights (normal operation / malfunctioning) for each channel.

The indicator lights (normal operation / malfunctioning) enable verification of leakage detection status and correct installation of leak detection sensors, all at a glance.



Connection setting switch

Connects easily with one-touch connector

Connections are made by simply inserting the leak detection sensor cable leads into the male snap connector SL-CP1, then pressing down until the connector snap-locks!

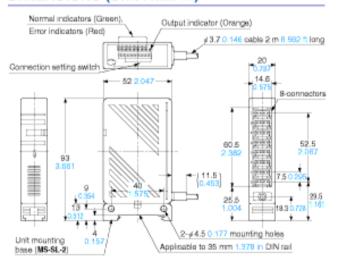
This saves the user the time and the trouble of stripping the insulation from each lead before attaching the leads to terminals.

SPECIFICATIONS

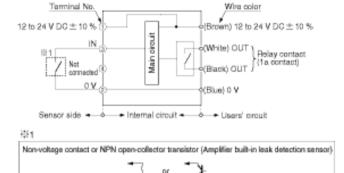
Designation		Simple wire-saving unit for leak detection sensor				
Item Model No.						
Applicable connector		SL-CP1				
Supply voltage		12 to 24 V DC ± 10 % Ripple P-P 10 % or less				
Current consumption		50 mA or less (for the unit itself), 135 nA or less (notating the sensor input current when all outputs of sensors are ON				
Oulput		Belay contact 1a Switching capacity: Less than 50 V 0.3 A AC (resistive load) However, if CE conformity is not required, this can be used with 125 V 0.3 A AC. 30 V 1 A DC (resistive load) Min. applied load: 10 mV 10 µ A DC Electrical lifetime: 100,000 times or more [rated load, switching frequency 20 times / min.) Mechanical lifetime: 50 million times or more [switching frequency 30 times / min.)				
	Output operation	The output relay is ON when the input signal from the sensor is ON				
Response time		5 ms or less (excluding the response time of the sensor)				
Inpo	ut No.	8 Nos.				
SJO	Normal	Green LED × 8 Light up when the sensor is connected to each channel and the connection setting switch is set to ON				
Indicators	Error	Fied LED X8 (Light up when a leak is defected by a sensor connected) to each channel or a sensor is mounted improperly				
	Output	Orange LED [Lights up when the output relay is ON (nom				
Ambient temperature		- 10 to +60 °C + 14 to 140 °F (No dew condensation or iding allowed), Storage: - 20 to +70 °C - 4 to +158 °F				
Ami	bient humidity	35 to 85 % RH, Storage: 35 to 85 % RH				
Material		Enclosure: ABS, Terminal part: POM				
Cable		0.2 mm² 4-core cabtyre cable, 2 m 6.562 ft long				
Cable extension		Extension up to total less than 10 m 32,808 ft is possible, with 0.3 mm ² , or more, cable.				
Weight		85 g 2.998 oz approx.				
Accessories		SL-CP1 (Male snap connector): 8 Nos. MS-SL-2 (Unit mounting base): 1 No.				

Note 1: The protective caps (SC-PK) used to protect the connectors, are available for sale asparately.

DIMENSIONS (Unit: mm in)



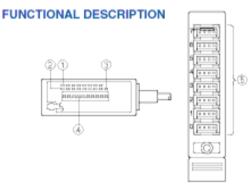
I/O CIRCUIT DIAGRAM (For one channel)



PRECAUTIONS FOR PROPER USE



Never use this product in a device for personnel protection.



	Description	Function		
1	Normal indicators (Green LED ×8)	Light up when the sensor is connected to each channel and the connection setting switch is set to ON		
2	Error indicators (Red LED × 8)	Light up when a leak is detected by a sensor connected to each channel or a sensor is mounted improperly		
3	Output indicator (Orange LED)	Lights up when the output relay is ON (normal)		
4	Connection setting switches	Set the switch to ON when the leak detection sensor is connected, set to OFF when the leak detection sensor is not connected.		
⑧	Connector	Connect the leak detection sensors		

Operation matrix for each indicator

Operation	Connection state of the leak detection sensor	State of connection setting switch	Leak detected condition	Normal indicator (Green)	Error indicator (Red)	Output indicator (Orange)
Normal	Connected	ON	Not leaked Leaked		Lights off Lights up	Lights up
	Unconnected	OFF		Lights off	Lights off	Lights up
Free	Connected	ON	Not leaked	Lights up	Lights up	Lights off
Error	Unconnected	OFF		Lights off	Lights up	Lights off

All information is subject to change without prior notice.



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