

**Discontinuation Notice of UV Power Monitor/Proof Monitor  
F3UV-XA series**

**Product Discontinuation**  
Amplifier Unit

**Recommended Replacement**  
Amplifier Unit



**F3UV-XA series**



**F3UV-XW11 series**

**Discontinuation date : The end of March, 2013**

**Caution on recommended replacement**

- Change the dimensions of the sensor. For more information please check the dimensions.
- Change the wiring connections. For more information please check the wiring connections.
- Mounting dimensions of the sensor changes. For more information please check the mounting dimensions.
- How will change. For more information please check the method and parts of the operation.

**Difference from discontinued product**

Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
F3UV-XW11	*	--	--	--	*	*	--

\*\* : Fully compatible

\* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

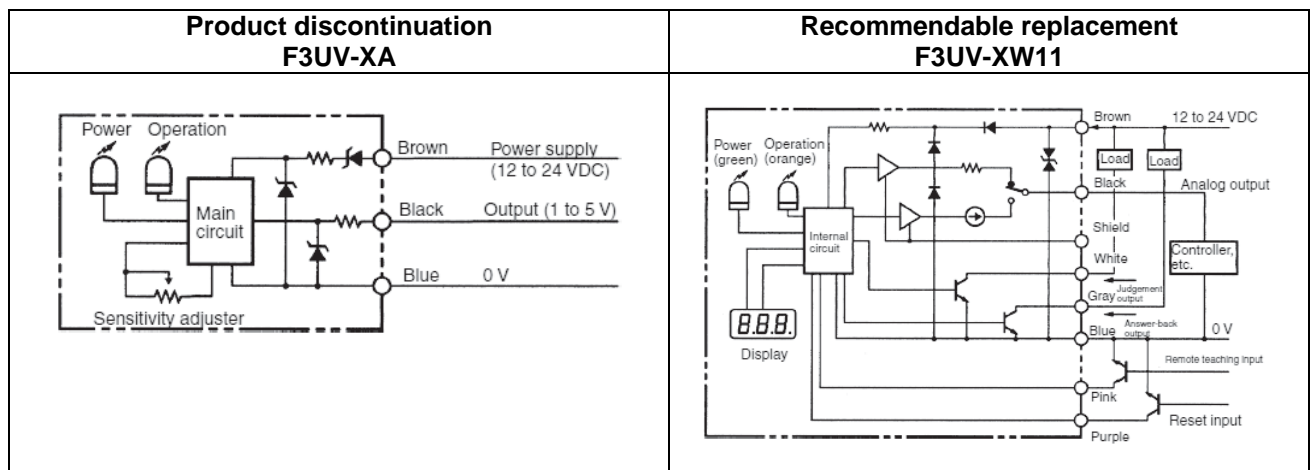
## Product Discontinuation and recommended replacement

Product discontinuation	Recommended replacement
F3UV-XA Intensity range of incident light : 10 to 300mW/cm <sup>2</sup>	F3UV-XW11 Intensity range of incident light : 30 to 300mW /cm <sup>2</sup>

## Body color

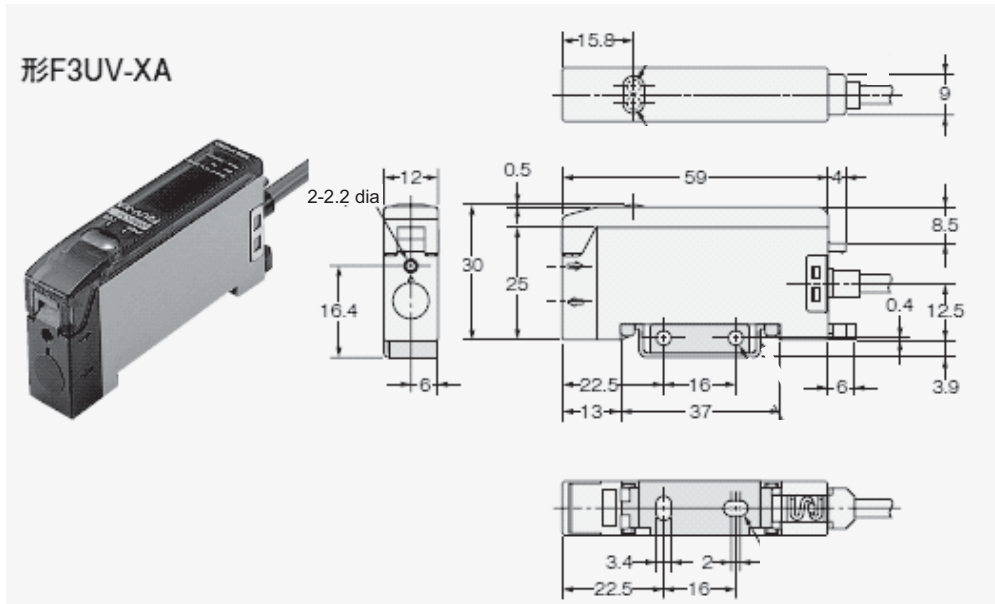
Product discontinuation F3UV-XA	Recommendable replacement F3UV-XW11
Gray	Gray

## Wire connection



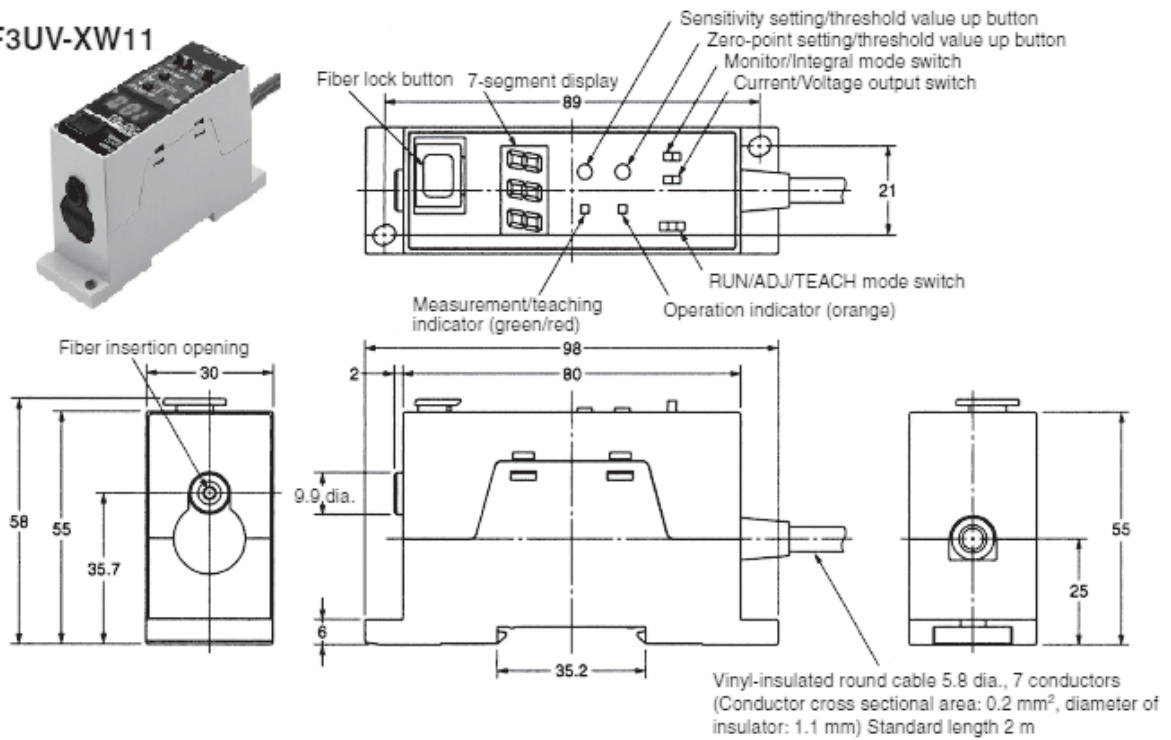
## Dimensions

### Product discontinuation F3UV-XA

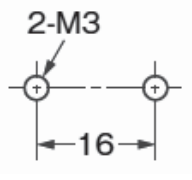
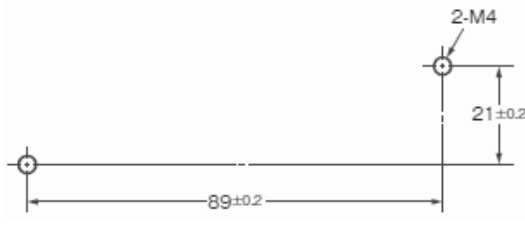


### Recommendable replacement F3UV-XW11

#### F3UV-XW11



## Mounting dimensions

Product discontinuation F3UV-XA	Recommendable replacement F3UV-XW11
 <p>Diagram showing two mounting holes (2-M3) with a center-to-center distance of 16.</p>	 <p>Diagram showing two mounting holes (2-M4) with a center-to-center distance of <math>89 \pm 0.2</math> and a vertical offset of <math>21 \pm 0.2</math>.</p>

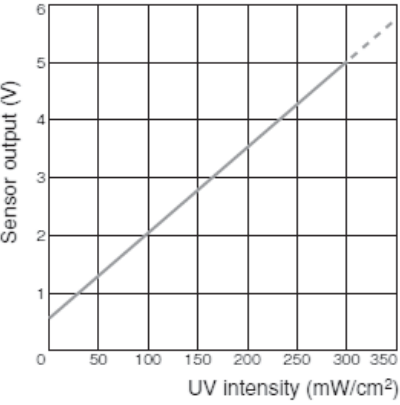
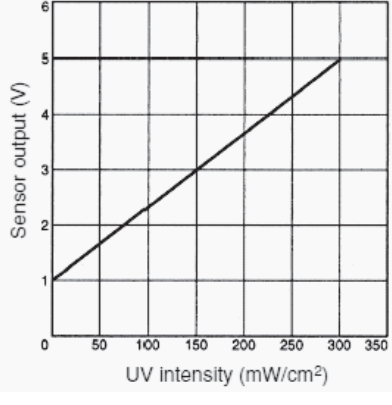
## Operation methods

Product discontinuation F3UV-XA	Recommendable replacement F3UV-XW11
<p>[Sensitivity adjustment method] Sensitivity setting at 8-turn adjustment. 4 to 5V analog output operation indicator lights up orange and within the range. After the operation indicator lights, please tweak so that the desired voltage.</p>	<p>[Set analog output] Output voltage selected by output switch, the operation mode selector to TEACH side management. Make teaching conducted sensitivity adjustment.</p>

## Operation methods

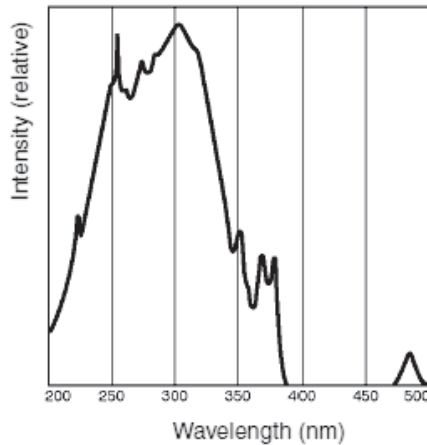
Item	Product discontinuation F3UV-XA	Recommendable replacement F3UV-XW11
<b>Power supply voltage</b>	12 to 24 VDC±10%	
<b>Analog output</b>	Voltage:1 to 5V	Current:4 to 20mA Voltage:1 to 5V (Monitoring mode or integral mode)
<b>Response time</b>	300ms max	500ms max
<b>Protective circuits</b>	Reserved power supply polarity protection and output short-circuit protection	
<b>Sensitivity setting</b>	8-turn adjustment	Teaching function
<b>Indicators</b>	Power indicator: Green Operation indicator: Orange	Power supply/Teaching indicator: Green/Red Operation indicator: Orange 7-segment digital percentage display: Red 7-segment digital threshold display: Red
<b>Repetitive accuracy</b>	±2% F.S. max	
<b>Ambient operating illumination</b>	Fluorescent light 1,000 lx max	
<b>Temperature drift</b>	±0.2% of F.S./°C max	±0.1% of F.S./°C max
<b>Ambient temperature</b>	Operating: -25 to 55 °C /Storage: -40 to 70 °C	
<b>Ambient humidity</b>	Operating or Storage:35% to 85%	
<b>Insulation resistance</b>	20MΩ min (at 500 VDC)	
<b>Dielectric strength</b>	1,000V AC 50/60 Hz between the leads and case	
<b>Vibration resistance</b>	10 to 150 Hz, 0.1-mm amplitude or 15m/s <sup>2</sup> in X, Y, Z each for 2 hours	
<b>Shock resistance</b>	150 m/s <sup>2</sup> three times each in the X, Y, Z directions	
<b>Degree of protections</b>	IP50	IP30

## Operation ratings

Product discontinuation F3UV-XA	Recommendable replacement F3UV-XW11																																				
<p><b>Output Characteristics</b> F3UV-XA + F3UV-HM + F32-300 (Output characteristics when the sensitivity is set at 300 mW/cm<sup>2</sup>.)</p>  <table border="1"> <caption>Data for F3UV-XA Output Characteristics</caption> <thead> <tr> <th>UV intensity (mW/cm<sup>2</sup>)</th> <th>Sensor output (V)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>50</td><td>1</td></tr> <tr><td>100</td><td>2</td></tr> <tr><td>150</td><td>3</td></tr> <tr><td>200</td><td>4</td></tr> <tr><td>250</td><td>5</td></tr> <tr><td>300</td><td>6</td></tr> <tr><td>350</td><td>7</td></tr> </tbody> </table>	UV intensity (mW/cm <sup>2</sup> )	Sensor output (V)	0	0	50	1	100	2	150	3	200	4	250	5	300	6	350	7	<p><b>Output Characteristics</b> F3UV-XW11 + F3UV-HM + F32-300 (Output characteristics when the sensitivity is set at 300 mW/cm<sup>2</sup>.)</p>  <table border="1"> <caption>Data for F3UV-XW11 Output Characteristics</caption> <thead> <tr> <th>UV intensity (mW/cm<sup>2</sup>)</th> <th>Sensor output (V)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>50</td><td>1</td></tr> <tr><td>100</td><td>2</td></tr> <tr><td>150</td><td>3</td></tr> <tr><td>200</td><td>4</td></tr> <tr><td>250</td><td>5</td></tr> <tr><td>300</td><td>5</td></tr> <tr><td>350</td><td>5</td></tr> </tbody> </table>	UV intensity (mW/cm <sup>2</sup> )	Sensor output (V)	0	0	50	1	100	2	150	3	200	4	250	5	300	5	350	5
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## common

### Sensitivity Characteristics All F3UV Models



### Sensitivity Characteristics

