PRODUCT NEWS

Product Discontinuation Notices

OMRON

June 1, 2010

Photoelectric Sensors

No. 2010185E

Discontinuation Notice of UV Power Monitor/Proof Monitor F3UV-A30/A03 series

Product Discontinuation	Recommended Replacement
F3UV-A30 series F3UV-A03 series	F3UV-HM series + F3UV-XW11-1 series + F32-70 series

Discontinuation date : The end of June, 2011

Caution on recommended replacement

1) It becomes a fiber type sensor from the sensor with built-in the amplifier. It is necessary to replace head unit + amplifier unit + fiber unit by the set.
2) The installation pitch and the shape of the sensor change. Please refer to the dimensional outline drawing for details.
3) The manner of operation changes. Please refer to the manner of operation for details.
4) The range of insertion optical power and current consumption, etc. change. Please refer to the ratings performance for details.
5) Please use protection spiral tube F39-FU1M at the fiber side resin of F32-70.

Difference from discontinued product

Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
F3UV-A30	--	--	--	--	*	*	--
F3UV-A03	--	--	--	--	--	*	--

** : Fully compatible
* : The change is a little/Almost compatible
-- : Not compatible
- : No corresponding specification

OMRON Corporation
Industrial Automation Company

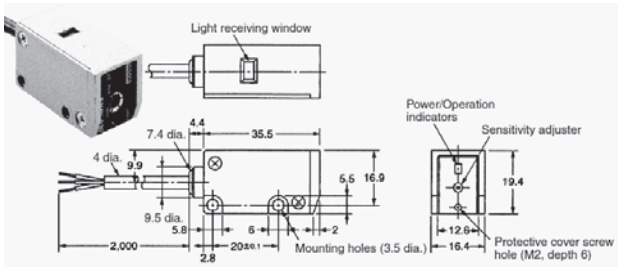
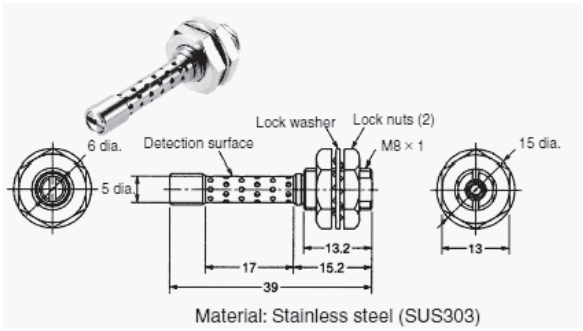
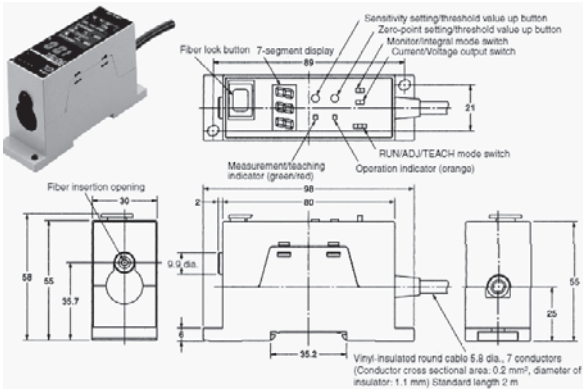
Product Discontinuation and recommended replacement

Product discontinuation	Recommended replacement	
F3UV-A30 F3UV-A03	Head Unit	F3UV-HM
	Amplifier Unit	F3UV-XW11-1
	Fiber Unit	F32-70
	Protection spiral tube	F39-FU1M

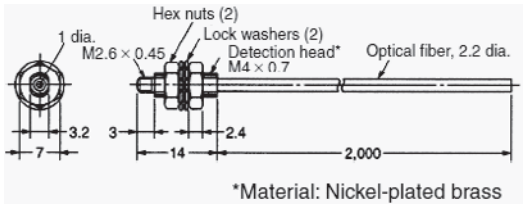
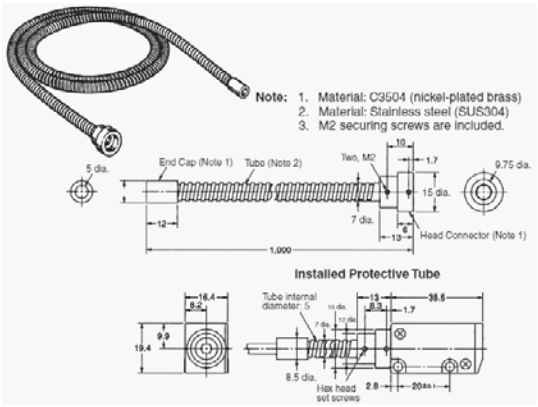
Body color

Item	Product discontinuation	Recommended replacement			
	F3UV-A30/A03	F3UV-HM	F3UV-XW11-1	F32-70	F39-FU1M
	Sensor	Head Unit	Amplifier Unit	Fiber Unit	Protection spiral tube
Color	Silver	Silver	Gray	Black	Silver

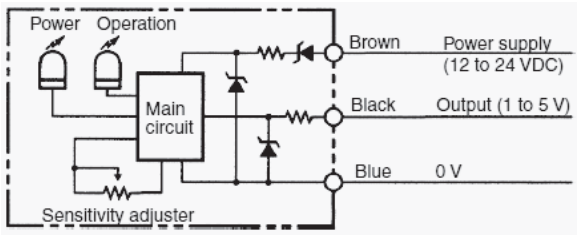
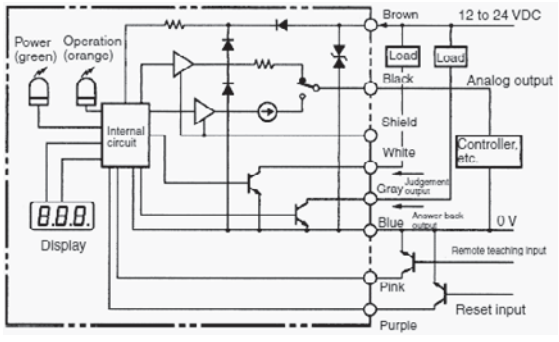
Dimensions

Product discontinuation F3UV-A30/A03	Recommendable replacement F3UV-HM+F3UV-XW11-1+F32-70
F3UV-A30/A03 (Sensor) 	F3UV-HM (Head Unit)  F3UV-XW11-1 (Amplifier Unit) 

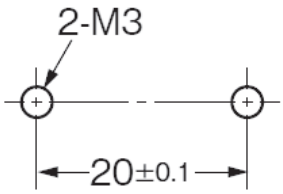
Dimensions

Product discontinuation F3UV-A30/A03	Recommendable replacement F3UV-HM+F3UV-XW11-1+F32-70
	F32-70 (Fiber Unit)  F39-FU1M(Protection spiral tube) 

Wire connection

Product discontinuation F3UV-A30/A03	Recommendable replacement F3UV-HM+F3UV-XW11-1+F32-70
 	

Mounting dimensions

Product discontinuation F3UV-A30/A03	Recommendable replacement F3UV-HM+F3UV-XW11-1+F32-70
	

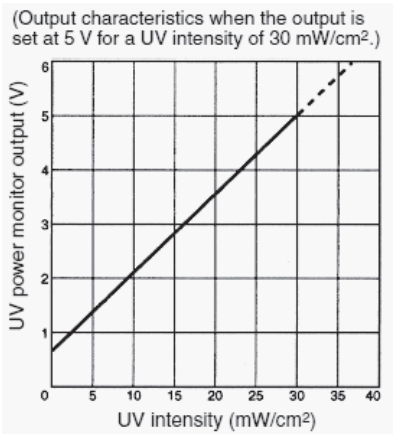
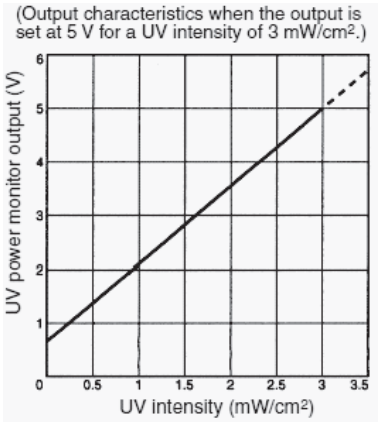
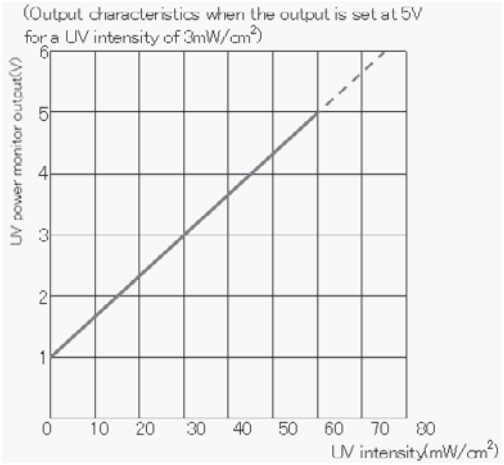
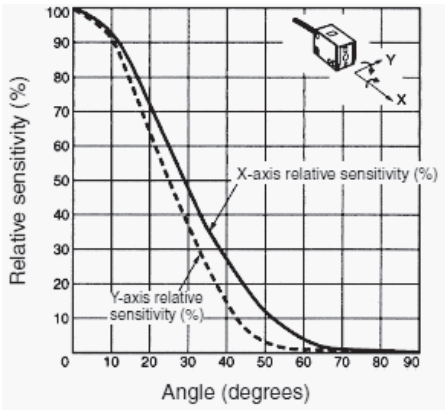
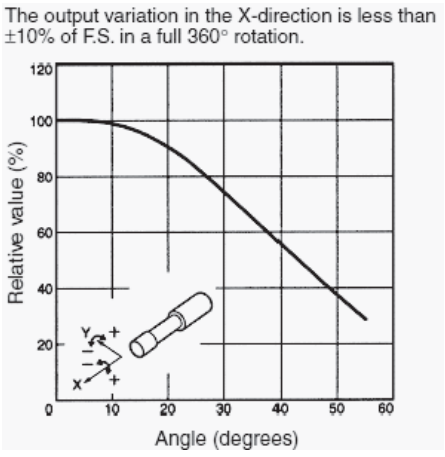
Operation methods

Product discontinuation F3UV-A30/A03	Recommendable replacement F3UV-HM+F3UV-XW11-1+F32-70
[Sensitivity adjusting method] Sensitivity is set by one-rotation volume. The operation pilot light of the orange color lights when the analog output enters the range of 4 to 5V. Please fine-tune to become desired a voltage value after the operation pilot light lights.	**[Basic operation procedure]** (1) The operation mode is selected with the operational mode switch (quantities of light monitor/quantities of light multiplication). (2) When the analog output is used, current output/voltage output is selected with the output switch. (3) The processing mode switch is made TEACH, the teaching is executed, and sensitivity is set. (quantities of light monitor mode) The lamp is turned off, 0 points are set, it lights, and quantities of light and the temperature set sensitivity enough in the stable footing. (quantities of light multiplication mode) When the start is set, and it ends, the stop setting is done when beginning to irradiate it. (4) The processing mode switch is made RUN and it measures it. The multiplication processing start is done by the reset input in the quantities of light multiplication mode.

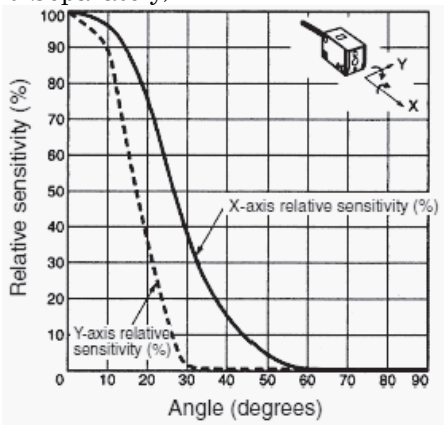
Characteristics

	Product discontinuation		Recommended replacement	
Item Model	**F3UV-A30**	**F3UV-A03**	**F3UV-XA + F3UV-HM + F32-70**	
Incident light power range	1 to 30mW/cm^2	0.2 to 3mW/cm^2	2 to 60mW/cm^2	
Incident light wavelength range	200 to 370nm		200 to 370nm	
Power supply voltage	12 to 24VDC ±10%		12 to 24VDC ±10%	
Current consumption	15mA max		75mA max	
Sensitivity setting	One-turn variable adjuster		Teaching function	
Response time	300ms max	400ms max	500ms max	
Indicators	Power indicators: Green LED Operation indicators: Orange LED (The output lights within the range of about 4 to 5V)		Power supply/Teaching indicators:(Green/Red) Operation indicators:(Orange) 7-segment digital percentage display:(Red) 7-segment digital threshold display:(Red)	
Outputs	1 to 5V (with an offset voltage of 0.2V min)		Analog output	Current (4 to 20mA) or voltage (1 to 5V) (Monitoring mode or integral mode)
			Judgment output	PNP open collector output, 100mA max, residual Voltage 1V max. (Monitoring mode or integral mode)
			Answer-back output	
Inputs	-		Remote teaching input	ON:0V short-circuit (current 1mA max)
			Reset input	OFF: Open (open or 9 to 24V)
Degree of protection	Conforms to IEC IP30		F3UV-XW11-1:Conforms of IEC IP30 F32-300/70:Conforms of IEC IP67	
Ambient temperature	Operating: -10 to 70ºC Storage: -25 to 80ºC		[F3UV-XW11-1] Operating: -25 to 55ºC Storage: -40 to 70ºC [F3UV-HM] Operating: -40 to 300ºC Storage: -40 to 300ºC [F32-70] Operating: -40 to 70ºC Storage: -40 to 70ºC	

Operation ratings

Product discontinuation F3UV-A30/A03	Recommendable replacement F3UV-HM+F3UV-XW11-1+F32-70
Output Characteristics F3UV-A30  F3UV-A03  	F3UV-HM + F3UV-XW[]1 + F32-70 
Angular Characteristics F3UV-A30  	F3UV-HM The output variation in the X-direction is less than ±10% of F.S. in a full 360° rotation. 

Operation ratings

Product discontinuation F3UV-A30/A03	Recommendable replacement F3UV-HM+F3UV-XW11-1+F32-70
F3UV-A30/A03 and F39-HU1 Cover (Sold Separately) 	

Sensitivity Characteristics

Commonness