

AUR300C

Advanced Ultraviolet Relay



The AUR300C is a relay with a dynamic self-checking function, and is used in combination with the AUD300C or AUD500C Advanced Ultraviolet Detector. The AUR300C controls its built-in flame relay while constantly driving the shutter of the UV detector to check for any malfunction in itself or in the UV detector. If the detector or amplifier circuit fails for any reason, the relay shuts itself off automatically and secures the safety of the system.

Specifications

Compatible flame detector	AUD300C, AUD500C
Flame response time	Nominal 3s (max. 4s) at 3V flame voltage
Flame sensitivity (at room temperature and humidity with rated voltage)	<ul style="list-style-type: none"> For nominal flame response time of 3s Ignition detection: at or before flame voltage increase to 1.2Vdc Flame failure detection: at or before flame voltage drop to 0.6Vdc However, in normal operation the voltage is 1.5 to 4.0Vdc.
Recommended flame voltage	<ul style="list-style-type: none"> For nominal flame response time of 3s 1.5Vdc min. in stable state
Flame voltage output	0 to 5Vdc (in normal operation)
Power	100Vac or 200Vac, 50/60Hz (selectable by model)
Power consumption	10W max. (including AUD300C)
Service life	7 years or 100,000 cycles (total cycles from all load outputs)
Ambient temperature	-20 to +60°C
Storage temperature	-20 to +70°C
Ambient humidity	90% RH at 40°C (no condensation allowed)
Mounting direction	Wall mounting (vertical or horizontal)
Color	White
Mass	Approx. 1.2kg

Selection Guide



Example: AUR300C13100

Segment	Model No. selection		Description
I	Basic No.	AUR300C	Advanced ultraviolet relay
II	Function	1	(Fixed)
III	Flame response	3	Nominal 3s
IV	Power	1	100Vac 50/60Hz
		2	200Vac 50/60Hz
V	Options	00	None
		D0	With inspection data
		T0	Tropicalization
		DT	Tropicalization + inspection data

Accessories (sold separately)

Model No.	Description
83968019-001	Surge absorber
FSP136A100	Analog flame meter

Dimensions

(Unit: mm)

