

- UV flame sensors C7027/35/44 ("MiniPeeper")
- UV flame sensors C7012A/C/E/F/G
- UV flame sensors C7061A/F
- UV flame sensors C7076A/D/F



Compact analogue UV flame sensor to detect ultraviolet radiations emitted by combustion flames. Used with Honeywell burner controls to provide flame supervision for commercial and industrial burner applications.

Approvals

- CE approved according to EN298, only in combination with matching Honeywell flame amplifiers and burner controls.
- UL/CSA approved for USA, only in combination with matching Honeywell flame amplifiers and burner controls.
- AGA approved for Australia, only in combination with matching Honeywell flame amplifiers and burner controls.
- Only for intermittent operation. The burner has to recycle at least once per 24 hours.

Features

- Rugged, compact, with encapsulated sensing tube for maximum protection.
- Quick and easy installation on standard sight pipe.
- Detects UV radiation in the 310nm range of the spectrum.

Additional description

- Models marked "DIN Approved Model" have no CSA/UL marking on the product label and have an insulated cable instead of wires.
- Maximum **recommended** cable length: ca. 50m

C7027 with clamp type connector



C7027A

Mechanical connection	Cable length m	Ambient temperature °C	Protection class	Comment	Type
1/2"	2,4	-18 ... 102	IP54		C7027A1023/U
1/2"	2,4	-40 ... 102	IP54		C7027A1031/U
1/2"	2,4	-18 ... 102	IP54	DIN Approved	C7027A1056/U

C7027 with 1/2" NPT threaded spud connector



C7027A1064

Mechanical connection	Cable length m	Ambient temperature °C	Protection class	Comment	Type
1/2"	2,4	-18 ... 102	IP54		C7027A1049/U
1/2"	7,3	-40 ... 102	IP54		C7027A1064/U

C7035 with field replaceable UV tube



C7035A1049

Mechanical connection	Cable length m	Ambient temperature °C	Protection class	Comment	Type
1"	1,8	-18 ... 121	IP67		C7035A1023/U
1"	1,8	-40 ... 121	IP67		C7035A1031/U
1" BSP	1,8	-18 ... 121	IP67	DIN Approved	C7035A1049/U
1"	1,8	-40 ... 121	IP67		C7035A1056/U
1" BSP	1,8	-40 ... 121	IP67	DIN Approved	C7035A1064/U
1"	1,8	-18 ... 121	IP67	High temp. wires (315C)	C7035A1080/U

C7044 for side or end viewing



C7044

Mechanical connection	Cable length m	Ambient temperature °C	Protection class	Comment	Type
mounting bracket	1,8	-18 ... 102	IP54		C7044A1006/U

C7927 solid state UV sensor (for EC/RM78xx only)



C7927A

Mechanical connection	Cable length m	Ambient temperature °C	Protection class	Comment	Type
1/2"	1,8	-18 ... 102	IP54	Not CE (EN298) approved.	C7927A1016/U

Used with controllers

Description

Industrial flame switch with inegrated flame amplifier.
 Industrial burner controller with inegrated flame amplifier.
 Industrial burner controller with plug-in flame amplifier.
 Industrial flame switch with inegrated flame amplifier.

Additional Product Type

_BC1000A2/B2
DBC2000E
_EC/RM78
R4348E

Used with flame Amplifiers (EC/RM78xx and R4348 only)

Description

Amplifier of the Honeywell R4348 series for use with C7027/35/44 sensors
 Amplifier of the Honeywell 7800 series burner control for use with C7027/35/44 sensors
 Ampli-check amplifier of the Honeywell 7800 series burner control for use with C7027/35/44 sensors
 Ampli-check amplifier of the Honeywell 7800 series burner control for use with C7927 solid state UV sensor

Additional Product Type

R7323
R7849A
R7849B
R7851B

Accessories

Description

Swivel mount for adjustable positioning of the UV sensor
 Heat block for C7027 sensor (1/2")

Additional Product Type

118367A/U
136733/U

Replacement tube for C7035

Description

Ultraviolet sensing tube (-40° to 121°C) for C7035 sensor
 Ultraviolet sensing tube (-18° to 121°C) for C7035 sensor

Additional Product Type

129464N/U
129464M/U