

Gawe

Solartec



***Firefighter  
Safety Switch***

## Firefighter safety switch

Photovoltaic panels are exposed to risks of overload or insulation issues that can lead to fires. Gave Electro offers a device designed to safeguard photovoltaic installations in emergencies or fire situations.

In the event of a fire in the solar panels, the system continues to generate energy, with the current flowing through the cables thus creating a hazardous situation. The SFF quickly interrupts the current to ensure the safety of the entire installation.

# 1

### Overheating detection

The SFF switch is equipped with a sensor that monitor temperature and detect possible overheating. If the temperature exceeds 70°C, the switch automatically breaks the current flowing from the panels to the inverter.

# 2

### Manual disconnection

The switch can be remotely operated from a safe location using a manual switch or an emergency button. This ensures that firefighters and emergency personnel can work safely by completely disconnecting the photovoltaic generation.

# 3

### Control circuit

The SFF devices are equipped with a feedback circuit that enables verification of the device status condition. This control circuit also supports integration with other safety components, ensuring comprehensive protection of the installation.



### Main advantages:

- ✓ Plug&Play installation.
- ✓ Temperature monitoring (+70°C). Automatic disconnection.
- ✓ Remote manual disconnection.
- ✓ Integrated control circuit.
- ✓ Status signaling.





The disconnection of the PV strings is performed by interrupting the power supply to the SFF via an emergency stop device.



## References



Firefighter  
Safety Switch

204x194x105 mm

1 String

2 Strings

**SFF150**

**SFF150/2**



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370x203x88 mm

4 Strings

5 Strings

**SFF140/4**

**SFF140/5**

## Control equipment

When integrating SFF devices into industrial installations, it may be appropriate to centralise their management in a control equipment unit located in the control room.

The integration equipment includes:

- Centralised local disconnection.
- Remote disconnection/reconnection.
- Local and remote signalling.





¿Do you have a special request?

Contact our technical office at  
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Video

Find out how Firefighter  
Safety Switch work.



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