

## PRODUCT NOTICE

### Flame Detectors

#### Installation in High Humidity Environments

Regions affected: Americas

Protecting Honeywell flame detectors from humidity ingress will protect the safety of your facility, the longevity of your detector installation, and the reliability of the detector performance.

#### Prior to Installation:

The following precautions are recommended to prevent excess moisture from entering the housing PRIOR to installation:

- Store units in a humidity-controlled (dry) environment prior to installation.
- If installing in an outdoor environment, schedule installation activities on a dry day.
- Identify locations for installation that are protected from humidity as much as possible. You may want to add a sunshield to augment protection from the elements. (Honeywell #SH-001)



#### During installation:

- Complete installation promptly. Do not leave housing open to the elements or conduit ports open for an extended period of time.
- Remove the conduit plug from any unused conduit ports and apply a small amount of thread sealant to the conduit plug and reinstall. Ensure that plug is tightened to ensure a good seal.
  - Prevents ingress of moisture
  - Maintains the explosion-proof integrity of the enclosure
- Conduit ports that are utilized should be supported with an explosion-proof conduit seal or cable gland as stated by National Electric Code Art. 501-5.
- Locally mandated codes for installation in Class 1 Div 1 areas should be followed.



*Above: Honeywell SS4 Flame Detector installed with explosion-proof conduit seal at conduit entry point.*

Please note: Honeywell FS20X, FS24X, SS2, and SS4 line of flame detectors are resistant to humidity but not marketed as “water-proof.” Guidelines in this document are suggested for longevity and optimum performance in hot/humid environments.