

A100-PFD

PIT FLOOD PROTECTOR



PREVENT COSTLY FLOOD DAMAGE & INCREASE SAFETY

Prevent costly flood damage, enhance passenger safety, and maximize elevator uptime with the A100-PFD pit flood protector and sensor.

This intelligent detector and float sensor combination automatically identifies liquid in the pit, moves the elevator to a pre-determined floor above the floodplain, and enables passengers to exit safely. The elevator is then disabled, ensuring that both the cab and counterweight do not descend below the floodplain until a qualified mechanic resets the device.

* PREVENT FLOOD DAMAGE

Help prevent flood damage and avoid costly repairs caused by heavy rainfall from hurricanes or tropical storms, storm surges, river overflows, melting snow and ice, or burst pipes

* INCREASE PASSENGER SAFETY

When water is detected, the PFD moves the car and its passengers to a safe floor above the floodplain and opens the doors so they can exit. It then disables the elevator, preventing additional passengers from using the elevator until it is manually reset.

* A UNIVERSAL SOLUTION

The A100-PFD is compatible with all controllers including Dover, EC, Fujitec, KONE, MCE, OTIS, Schindler, ThyssenKrupp (TK), Virginia Controls and Westinghouse.

* 24/7 EARLY DETECTION

The A100-PFD continuously monitors for water in the pit 24 hours a day, 7 days a week. If 1 inch of water is detected, the PFD is triggered, moving the elevator and its passengers to a safe, pre-determined floor.

* MAXIMIZE UPTIME

Once water is detected, the PFD moves the car above the floodplain, preventing damage and avoiding costly repairs. After the water has receded, having sustained no damage, the elevator can be quickly restored to service by a mechanic.

* SINGLE, SMALL DEVICE

Combines both the controller and sensor interface into a 4.1" x 3.3" x 2.1" package, fitting easily in the control cabinet. This eliminates the need for routing electrical conduit or sourcing additional enclosures.



Come visit us!

ARGUS ELEVATOR, LLC

Elevator Safety Made Simple™

MECHANICAL SPECIFICATIONS

PARAMETER	VALUE / RANGE
Product dimensions	4.1" x 3.3" x 2.1"
Product weight	0.8 lbs.

ELECTRICAL SPECIFICATIONS

PARAMETER	VALUE / RANGE
Rated supply voltage	90V to 300V AC/DC
Supply frequency	DC / 50Hz / 60 Hz
Supply current	60mA @ 115VAC / 35mA @ 230VAC / 30mA @ 277VAC
Power consumption	6.9VA @ 115VAC / 8.1VA @ 230VAC / 8.3VA @ 277VAC
Inputs available	12 independent and isolated
Inputs rated voltage	0 to 400V AC/DC
Inputs current consumption	0.8mA @ 120V / 1.5mA @ 300V
Inputs bandwidth	DC to 240Hz
Inputs impedance	150 k Ω
Outputs available	4 (two fixed and two programmable)
Outputs type	N.O. and N.C dry contacts
Output duty	Pilot duty: 1.2A @300VAC / 0.1A @ 300VDC
Operating rate	5Hz