



# OPAL - FSS

## Fail Safe Shutter Assemblies

- Optical system protection from flue gas contamination
- Unique automatic self test system design



- **Lightweight design, easy to install or retrofit**
- **Designed for OPAL 200 application**
- **Integrated airflow monitoring switches**
- **Manual and automatic system function test**

## OPAL- FSS

Enclosure  
Installation  
Weight  
Electrical Input

Electrical Output  
Operating Method  
Operating time  
Initiation - CLOSE  
Initiation - OPEN  
Function Test  
Indicators

IP54 splashproof, dustproof  
Designed for installation between weather cover plate and purge module flange  
2.2 Kg  
Transceiver (or retroreflector) in-line airflow switch  
Autotest cycle initiate signal from control unit, via stack termination box.  
Mains supply: 240vac or 115 vac, 50 or 60 Hz (specify)  
FSS failure signal – volt free NC contacts  
Digital servodrive to OPEN, Tensioned spring to close  
OPEN and CLOSE - less than 3 seconds from start initiation.  
CLOSE operation initiated by power failure, purge air flow loss or detection of purge airfilter blockage.  
OPEN operation initiated by power restoration and sufficient airflow detection  
Automatic function test daily via main control unit. Manual test control at junction box.  
LED – Power, FSS open and FSS closed

## INSTALLATION VIEW

