



CONTROL PANNEL



Operating Environment

- **Operating Temperature Range:** The device is designed to function within an ambient temperature range of 0°C to 40°C.
- **Operating Humidity Range:** The device can operate effectively in environments with relative humidity ranging from 0% to 90% RH.
- **Control IP Rating:** The control unit is rated at IP30, indicating protection against solid objects larger than 2.5 mm and no protection against water ingress.
- **Pollution Degree:** [Specific pollution degree details are needed for a comprehensive description.]
- **Control Safety Construction:** [Details regarding the safety construction class of the control unit are needed for a complete specification.]
- **Mains Supply:**
 - **Nominal Voltage:** 230Vac
 - **Actual Voltage Range:** 200Vac to 253Vac
 - **Frequency:** 50Hz
- **On-Board Supply Fuse:** The device incorporates a 1A time delay (T) fuse to protect the internal circuitry from overcurrent conditions.
- **Rated Impulse Voltage:** The device is rated for impulse withstand voltage of 2500V, ensuring robustness against transient voltage surges.

Performance Specifications

- **Software Classification and Action Type:**
 - The device operates with Class A software, which adheres to specific software reliability standards.
 - It employs Type 2 action, as defined in relevant standards, and is running Version 3 of the software.
- **Mains Supply Protection:**



- The electronic circuit is protected by a time delay fuse, which helps to safeguard against short-term overloads and surge conditions.
- **Flame Failure Input:**
 - The input for flame failure detection operates at a nominal voltage of 230Vac with an actual operational range of 200Vac to 253Vac and a frequency of 50Hz. The presence of voltage at this input indicates a flame failure condition.
- **Burner Reset Output:**
 - The burner reset output can be configured as either volt-free or Live/Neutral, with the selection being made through a plug-in jumper. This allows for flexible integration with various burner control systems.
- **Remote Volt-Free Switch Outputs:**
 - Outputs for remote volt-free switches are provided at 24Vdc with a current rating of 5mA, facilitating remote control and monitoring functions.
- **Built-in Room Temperature Sensor:**
 - The integrated temperature sensor measures ambient temperatures within a range of 0°C to 30°C with a resolution of 0.2°C. The sensor readings can be adjusted with an offset to account for potential errors due to sensor inaccuracies or placement issues.
 - Additionally, the device includes a frost protection feature to prevent damage in low-temperature conditions.