

Invertek Optidrive E3 IP66 'Outdoor Rated' Inverter Drives

Installation Criteria

Please read this document in conjunction with the Invertek Optidrive E3 Quick Start Guide and the Invertek Optidrive E3 User Guide.

The plastics on the E3 IP66 'Outdoor use' inverter are UV stabilised. Therefore the drive is suitable for mounting outdoors but we advise taking into account the following installation criteria.

- Precautions should be taken with respect to the mounting location, specifically that units should be mounted in the shade (preferably north facing) out of direct sunlight and under cover, particularly to avoid any potential for the build-up of snow and ice in the heatsink cooling fins.

The Motor Control Warehouse 'Weather Cover' can be used.

- Once installed, there should be a permanent power supply to the inverter to maintain the internal temperature, thus avoiding any potential for the formation of condensation and frost inside the unit.
- A ventilation plug should be fitted in the units terminal cover as a further precaution. This allows the unit to 'breathe' with variations in temperature and pressure, and the integral membrane prevents any moisture ingress.

Motor Control Warehouse can supply a suitable ventilation plug.

- A bag of desiccant gel should be left inside the inverters terminal cover. This will help to absorb any moisture should it access the unit. The desiccant gel sachet that is used in the drive packaging can be used.
- Regular maintenance should be carried out to ensure the drives heatsink remains debris and blockage free and the integrity of the enclosure is maintained.
- The Optidrive IP66 units will operate within the -20°C to +40°C ambient temperature limits, which apply to the drive and its display.